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ANNUAL PEAK DISCHARGES FROM SMALL DRAINAGE AREAS IN MONTANA

Through September 1971

Prepared in cooperation with the
MONTANA STATE HIGHWAY COMMISSION
and
U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
Helena, Montana
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16. Abstract

This annual report list crest guaging station peak discharge flows on small streams in Montana. Since 1955 peak flow data have been collected for various periods at 214 different sites. The network of sites presently has 24 stations having drainage areas less than one square mile, 92 stations from one to ten square miles, 50 stations from 10 to 50 square miles, and 16 stations having more than 50 square miles.

All stations active or discontinued are listed with years of record, elevation of site, drainage area and location.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ANNUAL PEAK DISCHARGES FROM SMALL DRAINAGE AREAS IN MONTANA THROUGH SEPTEMBER 1971

by

M. V. Johnson
and
R. J. Omang

Prepared in cooperation
with the
Montana Highway Commission
and the
U.S. Department of Transportation, Federal Highway Administration

Open-file report

Helena, Montana
1972

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ANNUAL PEAK DISCHARGES FROM SMALL DRAINAGE AREAS IN MONTANA THROUGH SEPTEMBER 1971

by
M. V. Johnson
and
R. J. Omang

INTRODUCTION

A program to investigate the magnitude and frequency of floods from small drainage areas in Montana was begun July 1, 1955. Originally, 45 crest-stage gaging stations were established. The program was expanded to 138 such stations in 1959, and to 202 stations in 1963. About 200 stations were in operation from 1963 to 1967, 185 were in operation from 1968 through part of 1970, and 182 through the remainder of 1970 and all of 1971. The Montana Highway Commission, Planning Survey Section, supports the cooperative program with the U.S. Geological Survey. The U.S. Department of Transportation, Federal Highway Administration, cooperates by reimbursing the Highway Commission for approximately three-fourths of the total program costs.

This, the seventeenth annual report, is primarily a tabulation, by water year, of the annual peak stage and discharge at each crest-stage gaging station. Also, it summarizes the activities and progress made during the 1971 water year.

Data on outstanding flood events and streamflow, collected under other programs at sites where crest-stage gages are not operated, are furnished during the year to Mr. E. H. Larson, Hydraulics Engineer, Montana State Highway Department upon his request.

PURPOSE OF THE PROGRAM

The purpose of the program is to define the magnitude and frequency of floods, on a regional basis, for Montana. Hydrologic data on small drainage areas are collected to supplement data obtained from the established stream-gaging program of the Geological Survey. The ultimate objective is to provide methods for estimating within a specified degree of accuracy the flood peak magnitudes expected on the average, as infrequently as once each 50 years.

A part of the program has been fulfilled by a report[1] based on data collected from 1955 through 1966. That report presents a method to determine the magnitude of floods having 10-year and 25-year recurrence intervals for drainage areas of less than 100 square miles.

PROGRAM OPERATION

At each gaging station one or more standard Geological Survey crest-stage gages record the maximum stage reached by the water surface. Many stations are located at highway culverts, which are used as a control structure for rating the peak discharge. The peak discharge can be computed from the shape of the channel near the culvert, the culvert geometry, and the water-surface profile upstream and downstream from the culvert at the time of the peak flow. The water-surface profile, obtained from marks recorded on the crest-stage gages, is usually supplemented by nearby high-water marks along the stream channel.

Seven continuous-record gaging stations, formerly a part of other cooperative programs, are currently operated as part of this program. These stations supplement the crest-stage network as records from them help establish the dates of peaks at crest-stage sites. Also, the records are used to compare the magnitude of peaks recorded by crest-stage gages with peaks recorded before this program began. Climatological data published by the National Weather Service are also used to determine the dates of peak discharge.

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[1] Boner, F. C., and Omang, R. J., 1967, Magnitude and frequency of floods from drainage areas less than 100 square miles in Montana: U.S. Geol. Survey open-file report, 23 p.

Since 1955, peak-flow data have been collected for various periods at 214 different sites. At the start of the 1971 water year, 183 gages were in operation. One of these was destroyed by construction associated with Libby Dam during 1971 and was not replaced. The approximate location and the status of each station is shown on figure 1.

The gaging stations provide information on drainage areas that range in size from less than one square mile to several hundred square miles and that represent various hydrologic conditions. The network presently has 24 stations having drainage areas less than one square mile, 92 stations having from 1 to 10 square miles, 50 stations having from 10 to 50 square miles, and 16 stations having more than 50 square miles.

In addition to the stations operated in cooperation with the Highway Commission, the Geological Survey maintains 14 crest-stage gaging stations in eastern Montana in cooperation with the Montana Water Resources Board. Data from these stations are included in this report.

PROGRAM ACTIVITIES, 1971 WATER YEAR

Operation of the crest-stage gages to record peak stages continued to be the primary phase of work. Periodic visits were made to service the gages and record the peak stages that occurred between visits. Changes in channel, culvert, and control conditions were also noted. Additional visits were necessary during the spring snow-melt period to determine the effects of backwater caused by snow and ice in the stream channels.

The previous maximum of record was equalled or exceeded at 11 crest-stage gage sites. Four transit-stadia surveys were made for indirect determination of peak discharges. Peak discharges in 1971 were such that definition of the stage-discharge relation at many stations could be improved. These data allowed the computation of 48 annual peak discharges that were previously listed as undetermined. Only 2 current sites remain to be rated.

A closed instrument traverse between each gage and several semipermanent reference marks was made to insure that the relation between the gage and datum has not changed.

PROGRAM PLANS, 1972 WATER YEAR

The operation of the crest-stage gages will continue as the principal activity during the 1972 water year. Routine inspections, closed instrument traverses, and special visits when necessary will be made as in previous years. Thirty-one stations will be operated west of the Continental Divide and 151 stations operated east of the Divide. The interim analysis of data, which has been tentatively planned for 1972, now depends on a pending program proposal.

The proposal suggests that approximately 100 new sites be added and operated for about 10 years in order to be able to predict flood magnitude and frequency for any ungaged site in a small watershed with an accuracy equivalent to predictions that could be made for the site if 10 years of actual streamflow data were available. A report summarizing peak-flow data collected through September 30, 1972, is planned for publication by March 1973.

The crest-stage stations operated in cooperation with the Montana Water Resources Board are expected to be continued. Flood flows will be determined at points where significant damage is reported or where the peak discharge may be hydrologically significant.

PRESENTATION OF DATA

All stations, active and discontinued, are listed in downstream order on pages 9 to 134. Those in the Missouri River basin (Part 6) are listed first, followed by those in the Columbia River basin (Part 12). The part number is the identification numeral of the river basin as used in U.S. Geological Survey Water-Supply Papers. Each station description includes the name, permanent station number (in parentheses, following name), location, drainage area, period of record, type of gage, and altitude of gage. Following the description, the annual maximum gage height (or stage) and discharge is listed for each water year of record. The date given for each annual peak is as near the actual day on which the peak flow occurred as can be determined from available data.

The annual peak discharges are preliminary figures and are subject to revision. Peak discharges listed as "not determined" will be determined when the stage-discharge relation is defined. A listing of "unknown" means a reliable figure of peak discharge is not available.

MISSOURI RIVER BASIN

1. Long Creek near Lakeview, Mont. (6-0114)

Location.--Lat 44°43', long 112°04', in SE¼ sec.10, T.13 S., R.4 W., Beaverhead County, at bridge on county road, 15 miles northwest of Lakeview.
Drainage area.--33.9 sq mi.
Records available.--May 1959 to September 1967 (discontinued).
Gage.--Crest-stage gage installed May 12, 1959. Altitude of gage is 6,800 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Apr. 6, 1960	3.17	235
1961	Apr. 17, 1961	1.00	48
1962	Apr. 27, 1962	3.42	265
1963	June 14, 1963	1.54	83
1964	May 14, 1964	2.72	196
1965	Apr. 29, 1965	2.48	178
1966	Apr. 11, 1966	1.86	128
1967	May 11, 1967	2.23	140

2. Red Rock River tributary near Monida, Mont. (6-0119)

Location.--Lat 44°35', long 112°15', in SE¼ sec.30 T.14 S., R.5 W., Beaverhead County, at county road, 3 miles east of Monida.
Drainage area.--1.00 sq mi.
Records available.--May 1959 to September 1967 (discontinued).
Gage.--Crest-stage gage installed May 12, 1959. Altitude of gage is 6,750 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Apr. 6, 1960	--	a 3
1961	Apr. 17, 1961	b1.08	a 2
1962	Apr. 19, 1962	b2.74	a 15
1963	April 1963	-.01	1
1964	Apr. 29, 1964	b3.20	a 10
1965	Apr. 24, 1965	b3.76	a 2
1966	Apr. 12, 1966	b3.58	a 5
1967	May 11, 1967	b3.10	a 5

a About.
b Backwater from ice.

3. Traux Creek near Lima, Mont. (6-0132)

Location.--Lat 44°37', long 112°34', in NW¼ sec.15, T.14 S., R.8 W., Beaverhead County, at culvert 300 ft upstream from Interstate Highway 15 and U.S. Highway 91, 2 miles southeast of Lima.

Drainage area.--2.77 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 12, 1959. Altitude of gage is 6,350 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	March 1960	0.24	18
1961	Mar. 14, 1961	.35	20
1962	Apr. 19, 1962	.85	28
1963	March 1963	--	<1
1964	April 1964	.06	14
1965	Apr. 1, 1965	.75	26
1966	Mar. 29, 1966	-.71	<1
1967	July 30, 1967	-.59	<1
1968	Apr. 11, 1968	b-.63	< .1
1969	Mar. 17, 1969	b.66	2
1970	May 1970	.57	23
1971	June 2, 1971	--	.1

4. Muddy Creek near Dell, Mont. (6-0134)

Location.--Lat 44°38', long 112°48', in SW¼ sec.3, T.14 S., R.10 W., Beaverhead County, half a mile upstream from mouth, 8 miles southwest of Dell.

Drainage area.--62.7 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 12, 1959. Altitude of gage is 6,570 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	July 6, 1960	2.70	85
1961	Apr. 3, 1961	2.47	68
1962	Apr. 2, 1962	3.72	197
1963	June 7, 1963	1.22	14
1964	May 15, 1964	2.47	68
1965	Apr. 1, 1965	3.83	112
1966	Mar. 30, 1966	b2.70	a40
1967	June 11, 1967	1.97	25
1968	Sept. 20, 1968	1.59	17
1969	April 1969	4.52	185
1970	Aug. 31, 1970	4.18	110
1971	Apr. 8, 1971	3.06	45

a About

b Backwater from ice.

5. Big Sheep Creek below Muddy Creek, near Dell, Mont. (6-0135) (formerly published as Sheep Creek below Muddy Creek, near Dell)

Location.--Lat 44°39', long 112°47', in SE¼ sec.35, T.13 S., R.10 W., Beaverhead County, 6.5 miles southwest of Dell.

Drainage area.--280 sq mi. At site in 1936, 293 sq mi.

Records available.--April to September 1936 and May 1946 to September 1953 (continuous record), June 1959 to

Gage.--Water-stage recorder re-installed June 24, 1959. Altitude of gage is 6,530 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1936	--	--	Unknown
1946	May 28, 1946	5.54	379
1947	Mar. 18, 1947	5.54	379
1948	Aug. 1, 1948	5.49	369
1949	Apr. 12, 1949	6.02	477
1950	Apr. 1, 1950	5.68	406
1951	Aug. 4, 1951	4.82	234
1952	Apr. 18, 1952	7.72	909
1953	June 2, 1953	5.23	313
1960	Mar. 26, 1960	4.44	168
1961	Apr. 4, 1961	3.98	84
1962	Apr. 2, 1962	4.83	236
1963	June 15, 1963	5.38	343
1964	June 10, 1964	6.06	491
1965	Apr. 21, 1965	5.43	354
1966	Apr. 2, 1966	4.59	195
1967	June 11, 1967	5.48	365
1968	June 9, 1968	5.89	455
1969	Apr. 3, 1969	6.95	710
1970	May 5, 1970	5.42	355
1971	May 31, 1971	5.17	300

6. Sage Creek tributary near Dell, Mont. (6-0139)

Location.--Lat 44°44', long 112°37', in SE¼ sec.31, T.12 S., R.8 W., Beaverhead County, at bridge on county road, 4 miles east of Dell.

Drainage area.--0.43 sq mi.

Records available.--May 1959 to September 1967 (discontinued).

Gage.--Crest-stage gage installed May 12, 1959. Altitude of gage is 6,300 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	March 1960	b0.13	<1
1961	September 1961	--	<1
1962	Apr. 2. 1962	b.92	<1
1963	March 1963	--	<1
1964	April 1964	b.50	<1
1965	April 1965	b.72	<1
1966	--	--	(c)
1967	July 18, 1967	1.05	<1

b Backwater from ice.
c No evidence of flow during year.

7. Grasshopper Creek near Dillon, Mont. (6-0155)

Location.--Lat 45°06'40", long 112°48'00", in SW¼NW¼ sec.26, T.8 S., R.10 W., Beaverhead County, on left bank 1¼ miles upstream from mouth and 11 miles southwest of Dillon.

Drainage area.--348 sq mi.

Records available.--March 1921 to September 1929, April 1930 to June 1933, October 1945 to December 1953, March 1955 to September 1958, October 1959 to September 1961 (continuous record), October 1961 to

Gage.--Crest-stage gage installed Oct. 11, 1961. Water-stage recorder, chain or staff gages prior to October 1961. Altitude of gage is 5,350 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1921	June 10, 1921	6.60	d516
1922	May 28, 1922	6.48	d543
1923	June 23, 1923	5.68	d283
1924	Apr. 13, 1924	5.05	d120
1925	June 5, 1925	6.52	d557
1926	July 8, 1926	5.52	d197
1927	June 12, 1927	6.2	d355
1928	May 13, 1928	6.10	d327
1929	June 18, 1929	5.45	d172
1931	Apr. 4, 1931	5.02	d 85
1932	June 7, 1932	6.06	d322
1946	May 29, 1946	2.78	160
1947	Mar. 17, 1947	4.44	640
1948	June 4, 1948	4.51	719
1949	June 2, 1949	3.46	324
1950	June 23, 1950	3.22	252
1951	Mar. 22, 1951	4.11	559
1952	May 16, 1952	3.20	257
1953	June 3, 1953	4.51	719
1955	June 30, 1955	3.39	328
1956	Mar. 24, 1956	6.47	1,870
1957	May 21, 1957	3.75	433
1958	June 5, 1958	4.16	579
1960	Mar. 25, 1960	4.06	539
1961	June 14, 1961	3.14	252
1962	Mar. 27, 1962	3.83	450
1963	Feb. 3, 1963	b4.61	465
1964	June 9, 1964	4.16	539
1965	July 1, 1965	4.82	635
1966	Mar. 30, 1966	3.02	180
1967	June 11, 1967	5.17	730
1968	June 9, 1968	3.75	435
1969	Apr. 1, 1969	6.17	1,140
1970	June 10, 1970	3.90	400
1971	June 2, 1971	4.21	465

b Backwater from ice.
d Maximum observed.

8. Beaverhead River tributary near Dillon, Mont. (6-0169)

Location.--Lat 45°13', long 112°40', in SE¼ sec.15, T.7 S., R.9 W., Beaverhead County, 250 ft upstream from settling basin, 2 miles west of Dillon.

Drainage area.--0.62 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 11, 1959. Altitude of gage is 5,250 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 18, 1960	0.32	a 3
1961	--	--	(c)
1962	Feb. 2, 1962	.02	a 2
1963	Feb. 3, 1963	.20	a 11
1964	--	--	(c)
1965	Mar. 30, 1965	-.51	.1
1966	Sept. 4, 1966	-.41	< .2
1967	June 11, 1967	.37	a 15
1968	February 1968	-.28	< .2
1969	Mar. 27, 1969	.37	19
1970	--	--	(c)
1971	--	--	(c)

9. Beaverhead River tributary No. 2 near Dillon, Mont. (6-0182)

Location.--Lat 45°19', long 112°32', in NW¼ sec.13, T.6 S., R.8 W., Beaverhead County, at culvert on State Highway 41, 9 miles northeast of Dillon.

Drainage area.--0.40 sq mi.

Records available.--May 1959 to September 1965 (discontinued).

Gage.--Crest-stage gage installed May 7, 1959. Altitude of gage is 4,970 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	e June 24, 1958	5.04	170
1959	--	--	(c)
1960	Mar. 19, 1960	.41	3
1961	June 12, 1961	.36	2.5
1962	--	--	(c)
1963	Sept. 2, 1963	.30	2
1964	June 27, 1964	.29	2
1965	August 1965	.40	3

a About.

c No evidence of flow during year.

e Prior to installation of gage; peak discharge computed from highwater marks along highway embankment at culvert.

10. Idaho Creek near Alder, Mont. (6-0198)

Location.--Lat 45°12', long 112°08', in center sec.30, T.7 S., R.4 W., Madison County, at bridge on county road, 9 miles south of Alder.
Drainage area.--10.8 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 7, 1959. Altitude of gage is 5,420 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 27, 1960	b2.18	a 40
1961	Apr. 4, 1961	.87	13
1962	Apr. 25, 1962	2.30	90
1963	Mar. 22, 1963	1.36	24
1964	July 29, 1964	1.20	17
1965	Mar. 30, 1956	b3.01	a 60
1966	June 10, 1966	.80	8
1967	June 15, 1967	1.34	9
1968	June 10, 1968	1.59	12
1969	Mar. 27, 1969	b2.05	a 35
1970	June 10, 1970	1.27	15
1971	June 3, 1971	.11	12

11. Moose Creek near Divide, Mont. (6-0253)

Location.--Lat 45°43', long 112°42', in NW¼ sec.34, T.1 S., R.9 W., Silver Bow County, at culverts on Interstate Highway 15 and U.S. Highway 91, 3½ miles southeast of Divide.
Drainage area.--41.4 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 11, 1959. Altitude of gage is 5,430 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	May 7, 1960	1.62	90
1961	Apr. 4, 1961	.79	39
1962	Apr. 19, 1962	1.89	108
1963	May 22, 1963	2.66	165
1964	June 8, 1964	1.41	77
1965	June 17, 1965	2.06	122
1966	Mar. 30, 1966	1.20	64
1967	June 11, 1967	2.60	180
1968	June 1, 1968	1.59	118
1969	June 10, 1969	1.72	128
1970	May 17, 1970	2.08	158
1971	May 12, 1971	1.25	91

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a About.
b Backwater from ice.

12. Fish Creek near Silverstar, Mont. (6-0277)

Location.--Lat 45°46', long 112°15', in NW¼ sec.8, T.1 S., R.5 W., Silver Bow County, at bridge on county road, 6 miles north of Silverstar.
Drainage area.--39.5 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 7, 1959. Altitude of gage is 4,790 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	June 6, 1959	1.15	166
1960	May 13, 1960	.91	105
1961	Apr. 4, 1961	1.13	160
1962	June 3, 1962	.95	115
1963	June 11, 1963	1.16	141
1964	June 19, 1964	b1.49	150
1965	June 16, 1965	1.74	220
1966	May 2, 1966	.67	54
1967	June 11, 1967	1.78	228
1968	June 15, 1968	1.22	132
1969	May 27, 1969	1.50	175
1970	May 30, 1970	1.00	100
1971	June 27, 1971	.91	85

13. Jefferson River tributary near Whitehall, Mont. (6-0302)

Location.--Lat 45°53', long 112°00', in SE¼ sec.32, T.2 N., R.3 W., Jefferson County, at culvert on Interstate Highway 90 and U.S. Highway 10, 5 miles east of Whitehall.
Drainage area.--1.85 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 6, 1959. Altitude of gage is 4,340 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	--	--	(c)
1961	--	--	(c)
1962	Aug. 29, 1962	a0.2	3
1963	Feb. 2, 1963	1.03	17
1964	Aug. 19, 1964	.97	16
1965	Aug. 22, 1965	1.21	22
1966	--	--	(c)
1967	June 22, 1967	--	a1
1968	--	--	(c)
1969	Mar. 17, 1969	a0.1	2
1970	--	--	(c)
1971	--	--	(c)

a About. b Backwater from ice. c No evidence of flow during year.

14. Jefferson River tributary No. 2 near Whitehall, Mont. (6-0303)

Location.--Lat 45°53', long 111°59', in SE¼ sec.33, T.2 N., R.3 W., Jefferson County, at culvert on State Secondary Highway 281, 6 miles east of Whitehall.
Drainage area.--4.50 sq mi.
Records available.--October 1957 to
Gage.--Crest-stage gage installed May 7, 1959. Altitude of gage is 4,400 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	eJune 24, 1958	4.45	169
1959	eApr. 6, 1959	2.37	71
1960	--	--	(c)
1961	Sept. 11, 1961	1.32	34
1962	--	--	(c)
1963	Feb. 2, 1963	1.38	39
1964	June 8, 1964	.41	10
1965	Aug. 22, 1965	.30	8
1966	--	--	(c)
1967	July 18, 1967	.37	9
1968	Feb. 19, 1968	.37	9
1969	Mar. 18, 1969	.32	8
1970	July 11, 1970	.00	8
1971	Jan. 17, 1971	.10	5

15. Sand Creek at Sappington, Mont. (6-0347)

Location.--Lat 45°47', long 111°45', in SW¼ sec.32, T.1 N., R.1 W., Gallatin County, 0.8 mile southeast of Sappington.
Drainage area.-- 9.41 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 6, 1959. Altitude of gage is 4,240 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Apr. 9, 1960	1.36	50
1961	Aug. 14, 1961	(OG) 2.0	124
1962	Aug. 25, 1962	5.4	2,130
1963	Feb. 3, 1963	2.73	380
1964	--	--	(c)
1965	Aug. 22, 1965	1.16	105
1966	July 3, 1966	.87	80
1967	--	--	(c)
1968	Feb. 19, 1968	.43	49
1969	Mar. 18, 1969	.52	55
1970	April 5, 1970	.18	41
1971	--	--	(c)

c No evidence of flow during year.
e Prior to installation of gage.

16. Jefferson River tributary No. 3 near Sappington, Mont. (6-0348)

Location.--Lat 45°50', long 111°42', in SW¼ sec.14, T.1 N., R.1 W., Jefferson County, at culvert on Interstate Highway 90 and U.S. Highway 10, 4 miles northeast of Sappington.
Drainage area.--1.14 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 6, 1959. Altitude of gage is 4,200 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Feb. 1, 1960	0.10	0.1
1961	Aug. 14, 1961	.95	12
1962	Mar. 6, 1962	.65	6
1963	Feb. 2, 1963	b3.43	a50
1964	--	--	(c)
1965	April 1965	.16	<0.5
1966	July 3, 1966	4.09	96
1967	--	--	(c)
1968	Feb. 19, 1968	.83	10
1969	Mar. 18, 1969	b1.96	a1
1970	--	--	(c)
1971	--	--	(c)

17. Jefferson River tributary No. 4 near Three Forks, Mont. (6-0366)

Location.--Lat 45°54', long 111°37', in SW¼ sec.28, T.2 N., R.1 E., Broadwater County, at culverts on Interstate Highway 90 and U.S. Highway 10, 3 miles west of Three Forks.
Drainage area.--0.53 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 6, 1959. Altitude of gage is 4,140 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	--	--	(c)
1961	--	--	(c)
1962	Mar. 6, 1962	b0.75	a3
1963	Feb. 2, 1963	.74	a7
1964	Aug. 19, 1964	.62	a6
1965	February 1965	.18	a1.5
1966	July 3, 1966	.73	7
1967	Aug. 5, 1967	.62	a6
1968	July 7, 1968	1.00	10
1969	Mar.27, 1969	.26	a2
1970	--	--	(c)
1971	Jan. 17, 1971	.10	1

a About.
b Backwater from ice.
c No evidence of flow during year.

18. Jefferson River tributary No. 5 near Three Forks, Mont. (6-0367)

Location.--Lat 45°55', long 111°36', in NE¼ sec.21, T.2 N., R.1 E., Broadwater County, at culvert on State Highway 287, 3 miles west of Three Forks.
Drainage area.--3.69 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 6, 1959. Altitude of gage is 4,120 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	--	--	(c)
1961	--	--	(c)
1962	Mar. 6, 1962	0.61	28
1963	Feb. 2, 1963	.61	23
1964	--	--	(c)
1965	Aug. 22, 1965	2.56	153
1966	July 3, 1966	-.04	6
1967	--	--	(c)
1968	Feb. 19, 1968	.85	39
1969	Mar. 18, 1969	b1.07	a40
1970	--	--	(c)
1971	Jan. 17, 1971	(f)	a1

19. Squaw Creek near Gallatin Gateway, Mont. (6-0432)

Location.--Lat 45°26', long 111°13', in SW¼ sec.34, T.4 S., R.4 E., Gallatin County, at private bridge, 10 miles south of Gallatin Gateway.
Drainage area.--40.4 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 5, 1959. Altitude of gage is 5,400 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	June 7, 1959	2.20	a420
1960	May 12, 1960	1.66	147
1961	May 26, 1961	1.47	200
1962	June 13, 1962	1.34	168
1963	June 15, 1963	1.49	208
1964	June 8, 1964	1.44	195
1965	June 15, 1965	1.87	320
1966	May 6, 1966	1.08	136
1967	May 24, 1967	1.30	222
1968	June 30, 1968	2.02	560
1969	June 25, 1969	1.05	200
1970	May 9, 1970	2.25	690
1971	June 27, 1971	1.63	260

a About.
b Backwater from ice.
c No evidence of flow during year.
f Peak discharge did not reach bottom of gage.

20. Logger Creek near Gallatin Gateway, Mont. (6-0433)

Location.--Lat 45°27', long 111°14', in SW¼ sec.28, T.4 S., R.4 E., Gallatin County, at culvert on U.S. Highway 191, 10 miles south of Gallatin Gateway.
Drainage area.--2.48 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 5, 1959. Altitude of gage is 5,340 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	June 7, 1959	1.03	20
1960	May 12, 1960	.69	9
1961	May 26, 1961	.34	6
1962	June 13, 1962	.73	18
1963	May 27, 1963	.38	11
1964	June 8, 1964	1.09	25
1965	June 15, 1965	.66	18
1966	May 6, 1966	.08	5
1967	June 22, 1967	.50	16
1968	June 11, 1968	.93	24
1969	June 26, 1969	.66	17
1970	May 21, 1970	1.12	29
1971	June 27, 1971	.90	17

21. Rocky Creek near Bozeman, Mont. (6-0465)
(Previously published as East Gallatin River near Bozeman)

Location.--Lat 45°39', long 110°57', in NE¼ sec.23, T.2 S., R.6 E., Gallatin County, 5 miles east of Bozeman.
Drainage area.--49.0 sq mi at site 1¼ miles upstream.
Records available.--November 1951 to September 1953 (continuous record), 1956-57 (miscellaneous measurements only), May 1959 to
Gage.--Crest-stage gage installed Sept. 26, 1962. Altitude of gage is 4,980 ft (from topographic map). Records equivalent to those at recorder site 1¼ miles upstream (at different datum) used prior to October 1966.
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1952	Apr. 19, 1952	4.08	421
1953	June 3, 1953	4.65	608
1959	Apr. 1, 1959	3.9	337
1960	May 8, 1960	3.64	248
1961	May 2, 1961	3.03	90
1962	Apr. 16, 1962	3.42	285
1963	Apr. 27, 1963	4.11	400
1964	May 17, 1964	3.65	212
1965	May 15, 1965	3.83	345
1966	Mar. 31, 1966	b3.34	a250
1967	May 8, 1967	1.00	300
1968	May 22, 1968	1.54	415
1969	June 26, 1969	2.06	525
1970	May 21, 1970	2.54	810
1971	Apr. 24, 1971	3.11	1,230

a About 1970
b Backwater from ice.

22. Pitcher Creek near Bozeman, Mont. (6-0467)

Location.--Lat 45°39', long 110°56', in NW¼ sec.24, T.2 S., R.6 E., Gallatin County, at culvert on county road, 5 miles east of Bozeman.

Drainage area.--2.33 sq mi.

Records available.--1951-53, miscellaneous measurements of base flow only May 1959 to

Gage.--Crest-stage gage installed May 6, 1959. Altitude of gage is 5,040 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	May 13, 1960	1.25	14
1961	May 27, 1961	.03	1
1962	Apr. 24, 1962	.89	9
1963	Apr. 27, 1963	1.16	13
1964	May 17, 1964	.97	10
1965	May 16, 1965	2.10	19
1966	June 10, 1966	.73	7
1967	May 8, 1968	1.81	12
1968	May 22, 1968	2.44	20
1969	June 26, 1969	2.33	20
1970	May 9, 1970	2.55	26
1971	Apr. 24, 1971	3.10	60

23. Bear Canyon Creek near Bozeman, Mont. (6-0470)

Location.--Lat 45°37'35", long 110°55'45", in NW¼ sec.36, T.2 S., R.6 E., Gallatin County, 6 miles southeast of Bozeman.

Drainage area.--17.0 sq mi.

Records available.--November 1951 to September 1953 (continuous record), May 1959 to

Gage.--Water-stage recorder re-installed May 5, 1959. Datum of gage is 5,183.4 ft above mean sea level, datum of 1929 (unadjusted).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1952	May 26, 1952	2.84	149
1953	June 3, 1953	3.40	360
1959	May 1, 1959	2.2	[a]150
1960	May 12, 1960	2.62	202
1961	May 22, 1961	1.77	46
1962	July 14, 1962	2.74	175
1963	May 9, 1963	2.43	110
1964	May 20, 1964	2.56	134
1965	May 16, 1965	2.61	145
1966	May 10, 1966	2.26	82
1967	June 7, 1967	2.45	162
1968	May 22, 1968	2.53	128
1969	June 26, 1969	3.35	217
1970	May 21, 1970	3.90	370
1971	May 2, 1971	1.28	137

[a] About.

24. Castle Creek tributary near Ringling, Mont. (6-0562)

Location.--Lat 46°22', long 111°06', in NE¼ sec.21, T.7 N., R.5 E., Broadwater County, at culverts on U.S. Highway 12, 15 miles northwest of Ringling.
Drainage area.--2.59 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 22, 1959. Altitude of gage is 5,400 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	May 4, 1960	1.45	23
1961	Apr. 25, 1961	.91	12
1962	Apr. 19, 1962	2.74	28
1963	Feb. 4, 1963	.81	11
1964	May 1, 1964	2.99	35
1965	May 1. 1965	2.88	27
1966	May 3, 1966	1.03	12
1967	May 23, 1967	3.01	35
1968	June 7, 1968	1.19	13
1969	Apr. 23, 1969	1.58	16
1970	May 19, 1970	3.70	47
1971	May 3, 1971	b2.98	22

25. Cabin Creek near Townsend, Mont. (6-0563)

Location.--Lat 46°20', long 111°13', in NW¼ sec.27, T.7 N., R.4 E., Broadwater County, 100 ft upstream from mouth, 14½ miles east of Townsend.
Drainage area.--12.6 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 22, 1959. Altitude of gage is 4,900 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	June 4, 1960	2.00	Not determined
1961	June 22, 1961	.14	2
1962	May 22, 1962	.37	8
1963	June 21, 1963	.53	13
1964	May 19, 1964	1.37	38
1965	June 2, 1965	1.08	17
1966	May 5, 1966	1.05	14
1967	May 23, 1967	1.28	23
1968	May 26, 1968	1.06	22
1969	May 26, 1969	.93	10
1970	May 19, 1970	1.42	40
1971	May 4, 1971	1.31	19

b Backwater from debris.

26. Deep Creek below North Fork Deep Creek, near Townsend, Mont. (6-0566)

Location.--Lat 46°20', long 111°17', in SE¼ sec.25, T.7 N., R.3 E., Broadwater County, at bridge on county road, 11 miles east of Townsend.
Drainage area.--87.7 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 18, 1959. Altitude of gage is 4,510 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	June 7, 1959	2.15	290
1960	June 4, 1960	2.00	254
1961	May 24, 1961	1.60	83
1962	May 22, 1962	1.66	175
1963	June 2, 1963	1.89	170
1964	May 18, 1964	2.33	329
1965	May 1, 1965	1.98	216
1966	May 5, 1966	2.13	290
1967	June 13, 1967	2.43	305
1968	May 26, 1968	1.88	180
1969	May 25, 1969	2.09	155
1970	May 19, 1970	4.88	445
1971	May 3, 1971	3.12	180

27. Mitchell Gulch near East Helena, Mont. (6-0587)

Location.--Lat 46°34', long 111°49', in NW¼ sec.2, T.9 N., R.2 W., Lewis and Clark County, at culvert on U.S. Highway 12, 4.7 miles east of East Helena.
Drainage area.--8.09 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 14, 1959. Altitude of gage is 4,060 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	e March 1959	0.96	53
1960	Mar. 19, 1960	.32	6
1961	June 29, 1961	.27	2
1962	Mar. 20, 1962	.43	12
1963	Feb. 4, 1963	1.41	107
1964	--	--	(c)
1965	Apr. 1, 1965	.62	28
1966	Mar. 10, 1966	.93	50
1967	Mar. 22, 1967	.94	52
1968	--	--	(c)
1969	Mar. 31, 1969	1.06	90
1970	July 12, 1970	-1.28	2
1971	Feb. 10, 1971	-1.07	4

c No evidence of flow during year.
e Prior to installation of gage.

28. Jackson Creek near East Helena, Mont. (6-0617)

Location.--Lat 46°28'20", long 111°51'10", in SE¼ sec.4, T.8 N., R.2 W., Jefferson County, 300 ft upstream from mouth, 8½ miles southeast of East Helena.
Drainage area.--3.44 sq mi.
Records available.--June 1960 to
Gage.--Staff gage installed June 22, 1960, and crest-stage gage installed July 8, 1960. Altitude of gage is 4,990 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	--	--	Unknown
1961	May 1, 1962	1.48	4
1962	June 2, 1962	2.49	16
1963	June 4, 1963	2.21	12
1964	June 8, 1964	2.64	19
1965	June 25, 1965	2.34	14
1966	May 10, 1966	1.97	7
1967	June 8, 1967	2.73	20
1968	June 10, 1968	2.27	17
1969	June 25, 1969	2.51	15
1970	June 27, 1970	2.19	10
1971	June 4, 1971	2.12	9

29. Crystal Creek near East Helena, Mont. (6-0618)

Location.--Lat 46°29'00", long 111°51'40", in NW¼ sec.4, T.8 N., R.2 W., Jefferson County, 0.2 mile upstream from mouth, 8 miles southeast of East Helena.
Drainage area.--3.77 sq mi.
Records available.--June 1960 to
Gage.--Staff gage installed June 22, 1960, and crest-stage gage installed July 8, 1960. Altitude of gage is 4,860 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	--	--	Unknown
1961	May 1, 1961	1.59	a5
1962	June 2, 1962	1.55	11
1963	June 4, 1963	1.26	4
1964	June 8, 1964	1.64	21
1965	June 25, 1965	1.46	14
1966	May 10, 1966	1.32	9
1967	June 8, 1967	1.82	28
1968	June 9, 1968	1.35	12
1969	June 25, 1969	1.75	30
1970	May 5, 1970	1.34	12
1971	May 2, 1971	1.68	27

a About.

30. McClellan Creek at City Diversion Dam, near East Helena, Mont. (6-0619)

Location.--Lat 46°32'00", long 111°52'40", in SE¼ sec.17, T.9 N., R.2 W., Jefferson County, 300 ft upstream from diversion dam, 4½ miles southeast of East Helena.
Drainage area.--33.2 sq mi.
Records available.--June 1960 to
Gage.--Staff gage installed June 23, 1960, and crest-stage gage installed July 7, 1960. Altitude of gage is 4,200 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	e May-June 1960	3.01	120
1961	May 27, 1961	.65	48
1962	June 2, 1962	1.48	175
1963	May 26, 1963	.95	87
1964	June 8, 1964	2.59	390
1965	June 25, 1965	1.72	220
1966	May 11, 1966	.93	85
1967	June 8, 1967	1.80	235
1968	June 9, 1968	1.73	222
1969	June 25, 1969	2.02	275
1970	May 5, 1970	1.33	150
1971	May 30, 1971	1.20	130

31. Little Porcupine Creek tributary near Helena, Mont. (6-0627)

Location.--Lat 46°35', long 112°16', in SW¼ sec.29, T.10 N., R.5 W., Lewis and Clark County, at culvert on U.S. Highway 12, 11 miles west of Helena.
Drainage area.--0.48 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 14, 1959. Altitude of gage is 5,360 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	June 6, 1959	0.45	1.5
1960	May 12, 1960	.39	1.2
1961	May 22, 1961	.17	.4
1962	June 2, 1962	.49	1.7
1963	May 20, 1963	.57	2.2
1964	June 8, 1964	1.17	5.9
1965	May 1, 1965	.60	3.0
1966	May 7, 1966	.28	1.4
1967	May 29, 1967	.74	3.8
1968	May 14, 1968	.39	1.2
1969	June 25, 1969	1.03	5.1
1970	May 5, 1970	.83	4.3
1971	May 2, 1971	.38	1.8

e Prior to installation of gage.

32. Lyons Creek near Wolf Creek, Mont. (6-0712)

Location.--Lat 46°56', long 112°08', in NE¼ sec.29, T.14 N., R.4 W., Lewis and Clark County, 135 ft upstream from mouth, 5½ miles southwest of Wolf Creek.
Drainage area.--29.4 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 15, 1959. Altitude of gage is 3,730 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	June 6, 1959	0.81	63
1960	June 2, 1960	.81	63
1961	May 28, 1961	.12	13
1962	May 22, 1962	1.57	158
1963	Feb. 4, 1963	1.3	120
1964	June 8, 1964	3.80	490
1965	Apr. 22, 1965	1.55	155
1966	May 11, 1966	.69	41
1967	June 13, 1967	2.45	345
1968	June 9, 1968	1.02	75
1969	June 26, 1969	.84	57
1970	June 13, 1970	1.40	127
1971	May 30, 1971	1.57	150

33. Dog Creek near Craig, Mont. (6-0714)

Location.--Lat 47°05', long 112°00', in NW¼ sec.4, T.15 N., R.3 W., Lewis and Clark County, at bridge on county road, 2 miles west of Craig.
Drainage area.--15.9 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 15, 1959. Altitude of gage is 3,660 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 19, 1960	0.41	a30
1961	May 30, 1961	4.40	1,160
1962	Mar. 17, 1962	2.42	114
1963	Feb. 3, 1963	2.05	70
1964	June 8, 1964	1.97	65
1965	Feb. 17, 1965	2.99	200
1966	Mar. 10, 1966	3.11	230
1967	June 12, 1967	2.37	65
1968	April 1968	--	a1
1969	Mar. 18, 1969	2.15	80
1970	June 13, 1970	.82	15
1971	Feb. 13, 1971	3.24	340

a About.

34. Wegner Creek at Craig, Mont. (6-0716)

Location.--Lat 47°05', long 111°57', in NW¼ sec.11, T.15 N., R.3 W., Lewis and Clark County, at bridge on Interstate Highway 15 and U.S. Highway 91, 0.9 mile east of Craig.
Drainage area.--35.0 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 15, 1959. Altitude of gage is 3,450 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	June 2, 1960	0.59	46
1961	July 6, 1961	2.54	408
1962	Apr. 19, 1962	.33	24
1963	Feb. 3, 1963	.67	48
1964	May 6, 1964	1.84	280
1965	Mar. 31, 1965	1.11	125
1966	July 1, 1966	4.64	1,020
1967	June 12, 1967	1.06	160
1968	June 10, 1968	.36	84
1969	July 7, 1969	.70	110
1970	June 13, 1970	1.05	220
1971	Feb. 13, 1971	-.54	30

35. Five Mile Creek near White Sulphur Springs, Mont. (6-0756)

Location.--Lat 46°37', long 110°45', in SW¼ sec.20, T.10 N., R.8 E., Meagher County, at culvert on U.S. Highway 12, 8 miles northeast of White Sulphur Springs.
Drainage area.--6.00 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 22, 1959. Altitude of gage is 5,380 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	May 1, 1960	1.25	9
1961	--	--	(c)
1962	Mar. 27, 1962	1.38	11
1963	Feb. 4, 1963	2.06	a20
1964	June 8, 1964	1.16	8
1965	April 1965	1.86	17
1966	Mar. 30, 1966	b3.34	a15
1967	May 23, 1967	1.31	10
1968	June 9, 1968	1.38	7
1969	Apr. 4, 1969	b4.58	a13
1970	May 4, 1970	3.36	52
1971	May 3, 1971	3.11	46

a About.
b Backwater from ice.
c No evidence of flow during year.

36. Newland Creek near White Sulphur Springs, Mont. (6-0760)

Location.--Lat 46°44', long 110°50', near line between secs.9 and 10, T.11 N., R.7 E., Meagher County, 15 miles upstream from mouth, 13 miles north of White Sulphur Springs.

Drainage area.--6.74 sq mi.

Records available.--September 1945 to November 1953 (continuous record), June 1959 to

Gage.--Water-stage recorder re-installed June 19, 1959. Altitude of gage is 5,590 ft (by barometer).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1946	June 11,17,1946	0.72	d 4.9
1947	May 6, 1947	2.18	18
1948	May 8, 1948	2.64	29
1949	June 1, 1949	1.48	6.2
1950	May 28, 1950	1.64	9.5
1951	May 13, 1951	1.62	11
1952	May 4, 1952	1.66	14
1953	June 4. 1953	3.50	56
1960	May 19, 1960	2.39	5.1
1961	May 31, 1961	2.18	3.2
1962	May 29, 1962	2.68	15
1963	June 26, 1963	2.53	11
1964	May 17, 1964	3.16	37
1965	May 17, 1965	3.14	36
1966	May 10, 1966	2.53	11
1967	May 23, 1967	3.00	34
1968	May 25, 1968	3.04	34
1969	Apr. 27, 1969	2.35	6
1970	May 25, 1970	3.12	35
1971	May 16, 1971	2.24	5

d Maximum observed.

37. Sheep Creek near Neihart, Mont. (6-0767)

Location.-- Lat 46°48', long 110°42', in SE¼ sec.15, T.12 N., R.8 E., Meagher County, at culvert on U.S. Highway 89, 10 miles south of Neihart.
Drainage area.--5.30 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 22, 1959. Altitude of gage is 6,600 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	May 12, 1960	1.12	38
1961	May 27, 1961	1.11	37
1962	May 21, 1962	1.37	49
1963	June 2, 1963	1.08	39
1964	June 8, 1964	2.12	113
1965	June 16, 1965	2.40	138
1966	May 10, 1966	1.27	50
1967	May 31, 1967	2.07	110
1968	May 25, 1968	1.68	78
1969	May 17, 1969	.88	28
1970	June 12, 1970	2.30	132
1971	June 3, 1971	1.32	51

38. Nugget Creek near Neihart, Mont. (6-0768)

Location.--Lat 46°47', long 110°42', in NE¼ sec.27, T.12 N., R.8 E., Meagher County, at culvert on U.S. Highway 89. 11 miles south of Neihart.
Drainage area.--1.48 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 22, 1959. Altitude of gage is 6,400 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	June 7, 1959	1.05	14
1960	May 12, 1960	.38	5
1961	May 27, 1961	.30	4
1962	May 25, 1962	.50	6
1963	June 2, 1963	.50	6
1964	May 21, 1964	1.07	15
1965	June 16, 1965	1.13	12
1966	May 10, 1966	.68	8
1967	May 31, 1967	1.42	17
1968	May 25, 1968	1.08	12
1969	Apr. 27, 1969	.28	4
1970	May 30, 1970	1.94	37
1971	May 16, 1971	.83	9

39. Smith River tributary near Eden, Mont. (6-0777)

Location.--Lat 48°18', long 111°26', in SW¼ sec.13, T.18 N., R.2 E., Cascade County, at bridge on county road, 7½ miles northwest of Eden.

Drainage area.--1.63 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 25, 1959. Altitude of gage is 3,420 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 17, 1960	0.32	1.8
1961	--	--	(c)
1962	June 15, 1962	.72	4.5
1963	Feb. 2, 1963	.67	4.0
1964	May 3, 1964	.30	1.7
1965	July 30, 1965	1.24	a9
1966	Mar. 8, 1966	.91	a15
1967	June 14, 1967	-.09	2
1968	May 25, 1968	--	2
1969	Mar. 18, 1969	.99	30
1970	June 28, 1970	.18	3.6
1971	--	--	(c)

40. Goodman Coulee near Eden, Mont. (6-0778)

Location.--Lat 47°20', long 111°25', in center sec.12, T.18 N., R.2 E., Cascade County, at culvert on county road, 8 miles northwest of Eden.

Drainage area.--21.8 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 25, 1959. Altitude of gage is 3,370 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	eApr. 22, 1959	1.57	49
1960	May 1, 1960	1.92	41
1961	--	--	(c)
1962	Mar. 19, 1962	4.17	127
1963	Feb. 4, 1963	2.30	55
1964	May 3, 1964	5.73	150
1965	July 30, 1965	3.80	117
1966	Mar. 8, 1966	6.73	437
1967	June 15, 1967	4.33	a100
1968	May 25, 1968	2.51	22
1969	June 25, 1969	6.72	435
1970	May 11, 1970	4.91	140
1971	Sept. 1, 1971	4.33	100

a About.
c No evidence of flow during year.
e Prior to installation of gage; peak discharge computed from highwater marks along highway embankment at culvert.

41. Beaver Creek at Gibson Dam, near Augusta, Mont. (6-0796)

Location.--Lat 47°36', long 112°45', in SE¼ sec.4, T.21 N., R.9 W., Lewis and Clark County, at bridge on county road, 19 miles northwest of Augusta.

Drainage area.--20.3 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 28, 1959. Altitude of gage is 4,560 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	June 6, 1959	0.78	110
1960	May 12, 1960	2.28	458
1961	May 7, 1961	.37	55
1962	May 26, 1962	2.45	496
1963	May 25, 1963	.85	122
1964	June 8, 1964	--	4,360
1965	June 11, 1965	.71	75
1966	May 29, 1966	.41	40
1967	May 30, 1967	1.16	300
1968	April 1968	b1.16	a50
1969	April 1969	.42	42
1970	May 11, 1970	.93	215
1971	June 3, 1971	.51	75

42. Muddy Creek tributary near Power, Mont. (6-0879)

Location.--Lat 47°45', long 111°43', on south line of SW¼ sec. 10., T.23 N., R.1 W., Teton County, at culvert on county road, 3 miles west of U.S. Highway 91, 3½ miles northwest of Power, and 6 miles south of Dutton.

Drainage area.--3.15 sq mi.

Records available.--April 1963 to

Gage.--Crest-stage gage installed Apr. 16, 1963. Altitude of gage is 3,710 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	July 10, 1963	1.15	19
1964	May 3, 1964	2.26	284
1965	June 17, 1965	2.27	130
1966	July 2, 1966	5.41	620
1967	June 10, 1967	1.73	62
1968	Aug. 15, 1968	1.94	130
1969	June 28, 1969	2.04	170
1970	May 11, 1970	2.24	265
1971	May 20, 1971	1.24	26

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a About.
b Backwater from ice.

43. Sun River tributary near Great Falls, Mont. (6-0893)

Location.--Lat 47°32', long 111°24', in SW¼ sec.31, T.21 N., R.3 E., Cascade County, at culvert on old U.S. Highways 89 and 91, 4 miles northwest of Great Falls.
Drainage area.--21.1 sq mi.
Records available.--August 1955 to
Gage.--Crest-stage gage installed Aug. 15, 1955. Altitude of gage is 3,330 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1956	Mar. 20, 1956	1.20	1
1957	June 16, 1957	1.05	.1
1958	July 3, 1958	2.74	156
1959	Mar. 2, 1959	2.52	116
1960	May 23, 1960	1.28	6
1961	--	--	(c)
1962	May 21, 1962	3.06	a150
1963	July 5, 1963	1.64	18
1964	June 8, 1964	5.46	470
1965	June 26, 1965	4.39	280
1966	Mar. 9, 1966	3.54	165
1967	July 3, 1967	2.92	102
1968	Feb. 23, 1968	1.61	18
1969	July 7, 1969	4.34	275
1970	May 19, 1970	2.73	85
1971	Feb. 14, 1971	2.03	40

44. Middle Fork Dry Fork Marias River near Dupuyer, Mont. (6-0997)

Location.--Lat 48°09', long 112°28', in NE¼ sec.35, T.28 N., R.7 W., Pondera County, at culvert on county road, 4 miles southeast of Dupuyer.
Drainage area.--20.2 sq mi.
Records available.--May 1959 to . Prior to 1964, published as North Fork Dry Fork Marias River near Dupuyer.
Gage.--Crest-stage gage installed May 28, 1959. Altitude of gage is 4,120 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 17, 1960	b1.24	a70
1961	May 7, 1961	.29	10
1962	Mar. 19, 1962	.99	61
1963	Feb. 3, 1963	b2.11	a45
1964	June 8, 1964	6.56	4,240
1965	Feb. 20, 1965	4.87	a300
1966	Mar. 26, 1966	2.22	100
1967	May 9, 1967	4.15	240
1968	Sept. 20, 1968	1.16	41
1969	June 25, 1969	3.29	150
1970	June 13, 1970	4.14	240
1971	Feb. 14, 1971	2.50	70

a About.
b Backwater from ice.
c No evidence of flow during year.

45. Heines Coulee tributary near Valier, Mont. (6-1002)

Location.--Lat 48°15', long 112°14', in NE¼ sec.27, T.29 N., R.5 W., Pondera County, at culvert on county road, 4 miles south of Valier.

Drainage area.--0.60

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 27, 1959. Altitude of gage is 3,860 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	May 1, 1960	0.92	9
1961	May 17, 1961	.54	4
1962	Jan. 29, 1962	b.41	a2
1963	--	--	(c)
1964	June 8, 1964	10.57	64
1965	June 15, 1965	1.00	6
1966	Mar. 26, 1966	1.05	7
1967	May 7, 1967	1.46	12
1968	Feb. 28, 1968	.55	3
1969	Mar. 20, 1969	b3.94	a40
1970	July 13, 1970	.84	5
1971	Feb. 14, 1971	b4.94	a5

46. Lone Man Coulee near Valier, Mont. (6-1003)

Location.--Lat 48°14', long 112°14', in SE¼ sec.27, T.29 N., R.5 W., Pondera County, at culvert on county road, 5 miles south of Valier.

Drainage area.--14.1 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 27, 1959. Altitude of gage is 3,780 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	May 1, 1960	0.58	32
1961	May 17, 1961	.36	22
1962	Jan. 29, 1962	b2.87	a15
1963	Aug. 19, 1963	.49	27
1964	June 8, 1964	2.38	1,740
1965	Feb. 17, 1965	1.38	400
1966	Mar. 9, 1966	--	140
1967	June 10, 1967	.91	135
1968	Jan. 23, 1968	--	39
1969	Mar. 20, 1969	4.98	250
1970	July 13, 1970	3.04	46
1971	Feb. 14, 1971	b5.44	a200

a About.
b Backwater from ice.
c No evidence of flow during year.

47. Marias River tributary No. 3 near Chester, Mont. (6-1016)

Location.--Lat 48°14', long 110°53', in NE¼ sec.36, T.29 N., R.6 E., Liberty County, at culvert on State Secondary Highway 223, 2.1 miles south of Marias River bridge and 20 miles southeast of Chester.
Drainage area.--0.32 sq mi.
Records available.--May 1962 to
Gage.--Crest-stage gage installed Apr. 18, 1963. Altitude of gage is 2,900 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eMay 21, 1962	3.18	29
1963	July 4, 1963	1.20	9
1964	June 8, 1964	1.37	11
1965	June 17, 1965	1.67	14
1966	June 4, 1966	.48	4
1967	February 1967	.32	3
1968	--	--	(c)
1969	Mar. 26, 1969	2.42	21
1970	July 13, 1970	3.36	32
1971	Feb. 13, 1971	1.21	10

48. Cottonwood Creek tributary near Chester, Mont. (6-1017)

Location.--Lat 48°27', long 111°05', near center of east line of sec.9, T.31 N., R.5 E., Liberty County, at culvert on county road, 3½ miles south of Tiber Siding on Great Northern Railway and U.S. Highway 2, 6½ miles southwest of Chester.
Drainage area.--2.28 sq mi.
Records available.--April 1963 to
Gage.--Crest-stage gage installed Apr. 17, 1963. Altitude of gage is 3,100 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	June 28, 1963	4.08	79
1964	June 8, 1964	.98	a10
1965	Apr. 10, 1965	3.34	67
1966	July 3, 1966	1.61	21
1967	Mar. 22, 1967	5.01	96
1968	--	--	(c)
1969	June 26, 1969	2.40	40
1970	July 13, 1970	2.32	38
1971	Feb. 25, 1971	1.80	25

a About.
c No evidence of flow during year.
e Prior to installation of gage.

49. Cottonwood Creek tributary No.2 near Chester, Mont. (6-1018)

Location.--Lat 48°20', long 110°57', in NW¼ sec.27, T.30 N., R.6 E., Liberty County, at bridge on State Highway 223, 5½ road miles north of Marias River bridge, and 12½ miles south of Chester.

Drainage area.--24.6 sq mi.

Records available.--April 1963 to

Gage.--Crest-stage gage installed Apr. 17, 1963. Altitude of gage is 2,950 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	--	--	(c)
1964	June 8, 1964	2.35	75
1965	Apr. 7, 1965	3.18	220
1966	July 3, 1966	2.70	130
1967	Mar. 21, 1967	2.20	55
1968	--	--	(c)
1969	Mar. 26, 1969	2.96	175
1970	July 13, 1970	1.10	5
1971	Feb. 25, 1971	.98	3

50. Dead Indian Coulee near Fort Benton, Mont. (6-1019)

Location.--Lat 48°05', long 110°50', in center of sec.21, T.27 N., R.7 E., Chouteau County, at culvert on State Secondary Highway 223, 20 miles northwest of Fort Benton.

Drainage area.--2.73 sq mi.

Records available.--April 1963 to

Gage.--Crest-stage gage installed Apr. 18, 1963. Altitude of gage is 3,250 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	--	--	(c)
1964	May 3, 1964	2.19	22
1965	Feb. 17, 1965	4.16	52
1966	Mar. 9, 1966	4.95	116
1967	Mar. 21, 1967	.21	<1
1968	--	--	(c)
1969	Mar. 26, 1969	3.84	47
1970	Mar. 7, 1970	2.89	32
1971	Feb. 12, 1971	3.44	40

c No evidence of flow during year.

51. Dry Fork Coulee tributary near Loma, Mont. (6-1021)

Location.--Lat 47°57', long 110°33', in SW¼ sec.2, T.25 N., R.9 E., Chouteau County, at culvert on county road, 2 miles west of Loma.

Drainage area.--0.84 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 25, 1959. Altitude of gage is 2,580 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	eMar. 1, 1959	4.02	71
1960	Mar. 17, 1960	.41	a2
1961	May 31, 1961	b1.42	a1
1962	May 21, 1962	.85	6
1963	Aug. 25, 1963	1.54	16
1964	Aug. 19, 1964	1.06	8
1965	June 24, 1965	7.23	244
1966	June 3, 1966	3.27	54
1967	March 1967	1.09	7
1968	June 9, 1968	1.74	20
1969	Mar. 26, 1969	6.18	142
1970	June 13, 1970	2.12	28
1971	Feb. 13, 1971	2.64	40

52. Marias River tributary at Loma, Mont. (6-1022)

Location.--Lat 47°57', long 110°31', in SW¼SE¼ sec.1, T.25 N., R.9 E., Chouteau County, at bridge on county road, 0.6 mile west of Loma.

Drainage area.--1.62 sq mi.

Records available.--August 1955 to

Gage.--Crest-stage gage installed Aug. 18, 1955. Altitude of gage is 2,590 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1956	--	b0.8	a5
1957	Mar. 1, 1957	b1.74	a3
1958	Mar. 29, 1958	.68	a4
1959	Mar. 1, 1959	b2.9	a12
1960	Mar. 17, 1960	1.50	a6
1961	--	--	(c)
1962	May 21, 1962	2.11	a20
1963	Feb. 4, 1963	b1.88	a10
1964	Aug. 19, 1964	b1.58	a8
1965	June 24, 1965	4.87	300
1966	June 3, 1966	2.43	82
1967	March 1967	1.43	76
1968	Feb. 24, 1968	2.16	22
1969	Mar. 26, 1969	b2.52	a7
1970	June 13, 1970	1.73	45
1971	Mar. 30, 1971	b3.48	22

a About.
b Backwater from ice.
c No evidence of flow during year.
e Prior to installation of gage.

53. Marias River tributary No. 2 at Loma, Mont. (6-1023)

Location.--Lat 47°57', long 110°30', in NE¼NE¼ sec.12, T.25 N., R.9 E., Chouteau County, at culvert on approach to U.S. Highway 87, 0.2 mile north of Loma.

Drainage area.--0.25 sq mi.

Records available.--August 1955 to

Gage.--Crest-stage gage installed Aug. 18, 1955. Altitude of gage is 2,590 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1956	May 27, 1956	2.97	a20
1957	Mar. 1, 1957	b2.46	a10
1958	Mar. 29, 1958	b1.40	a1
1959	February 1959	1.01	a1
1960	Mar. 17, 1960	b1.73	a2
1961	--	--	(c)
1962	Mar. 17, 1962	b1.55	a2
1963	June 28, 1963	2.60	a15
1964	Aug. 19, 1964	1.38	2
1965	June 24, 1965	4.78	42
1966	June 3, 1966	2.85	18
1967	June 14, 1967	.92	<.5
1968	June 9, 1968	.97	.5
1969	March 1969	2.30	11
1970	June 13, 1970	1.71	5
1971	Feb. 14, 1971	1.23	..5

54. Bruce Coulee tributary near Choteau, Mont. (6-1058)

Location.--Lat 47°44', long 112°15', near center of sec.21, T.23 N., R.5 W., Teton County, at culvert on county road, 1.2 miles west of State Highway 287, 6 miles southwest of Choteau.

Drainage area.--1.70 sq mi.

Records available.--April 1963 to

Gage.--Crest-stage gage installed Apr. 16, 1963. Altitude of gage is 3,940 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	June 28, 1963	0.65	a18
1964	June 8, 1964	1.76	148
1965	June 16, 1965	1.90	140
1966	July 2, 1966	3.50	247
1967	June 10, 1967	2.44	155
1968	Sept. 21, 1968	.54	15
1969	Mar. 26, 1969	.92	40
1970	July 13, 1970	1.84	105
1971	Feb. 13, 1971	.83	30

a About.
b Backwater from ice.
c No evidence of flow during year.

55. Kinley Coulee near Dutton, Mont. (6-1082)

Location.--Lat 47°51', long 111°36', in center of north line of sec.15, T.24 N., R.1 E., Teton County, at culverts on county road, 5.1 miles east of Dutton on Diamond Valley Road.

Drainage area.--9.67 sq mi.

Records available.--April 1963 to

Gage.--Crest-stage gage installed Apr. 17, 1963. Altitude of gage is 3,560 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	--	--	(c)
1964	June 21, 1964	8.0	364
1965	June 16, 1965	1.39	24
1966	July 2, 1966	10.72	2,070
1967	May 7, 1967	1.31	20
1968	Sept. 21, 1968	.58	1
1969	Mar. 20, 1969	4.45	182
1970	June 13, 1970	.63	1
1971	Feb. 13, 1971	b2.01	a5

56. Kinley Coulee tributary near Dutton, Mont. (6-1083)

Location.--Lat 47°51', long 111°33', on north line of NW¼ sec.13, T.24 N., R.1 E., Teton County, at culverts on county road, 6.5 miles east of Dutton on Diamond Valley Road.

Drainage area.--2.65 sq mi.

Records available.--April 1963 to

Gage.--Crest-stage gage installed Apr. 16, 1963. Altitude of gage is 3,610 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	Sept. 16, 1963	1.28	18
1964	June 8, 1964	2.98	76
1965	Mar. 31, 1965	1.43	7
1966	July 2, 1966	14.77	465
1967	May 7, 1967	1.59	25
1968	June 9, 1968	.61	2
1969	Mar. 21, 1969	3.97	125
1970	July 13, 1970	.88	7
1971	Feb. 13, 1971	b1.96	a2

a About.
b Backwater from ice.
c No evidence of flow during year.

57. Judith River tributary near Utica, Mont. (6-1099)

Location.--Lat 46°53', long 110°16', in SW¼ sec.13, T.13 N., R.11 E., Judith Basin County, at bridge on county road, 10 miles southwest of Utica.
Drainage area.--7.17 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 21, 1959. Altitude of gage is 5,100 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 18, 1960	0.65	15
1961	--	--	(c)
1962	June 14, 1962	1.00	25
1963	Feb. 4, 1963	b3.33	a10
1964	--	--	(c)
1965	April 1965	2.46	83
1966	Mar. 10, 1966	2.06	104
1967	June 10, 1967	.55	10
1968	--	--	(c)
1969	Apr. 2, 1969	b4.69	a20
1970	Apr. 10, 1970	b1.78	a5
1971	Feb. 13, 1971	1.90	85

58. Judith River tributary No. 2 near Utica, Mont. (6-1099.5)

Location.--Lat 46°54', long 110°15', in SE¼ sec.7, T.13 N., R.12 E., Judith Basin County, at bridge on county road, 9½ miles southwest of Utica.
Drainage area.--6.97 sq mi.
Records available.--May 1959 to September 1967 (discontinued).
Gage.--Crest-stage gage installed May 21, 1959. Altitude of gage is 4,850 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 18, 1960	0.70	Not determined
1961	--	--	(c)
1962	June 14, 1962	.90	Not determined
1963	Feb. 4, 1963	1.00	Not determined
1964	June 8, 1964	1.29	Not determined
1965	April 1965	1.69	Not determined
1966	Mar. 10, 1966	.18	Not determined
1967	Sept. 13, 1967	.96	Not determined

a About.
b Backwater from ice.
c No evidence of flow during year.

59. Casino Creek tributary near Lewistown, Mont. (6-1117)

Location.--Lat 47°00', long 109°26', in NE¼ sec.9, T.14 N., R.18 E., Fergus County, at culverts on county road, 5 miles south of Lewistown.
Drainage area.--3.53 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 21, 1959. Altitude of gage is 4,200 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 18, 1960	0.94	10
1961	--	--	(c)
1962	May 21, 1962	3.24	40
1963	May 12, 1963	.54	5
1964	May 3, 1964	3.67	44
1965	June 17, 1965	5.00	66
1966	Mar. 12, 1966	[b]1.71	[a]1
1967	June 14, 1967	2.44	29
1968	June 9, 1968	1.13	12
1969	Apr. 1, 1969	1.36	15
1970	May 18, 1970	1.90	22
1971	Mar. 30, 1971	2.31	28

60. Cottonwood Creek near Moore, Mont. (6-1121)

Location.--Lat 46°59', long 109°29', in NW¼ sec.18, T.14 N., R.18 E., Fergus County, 30 ft downstream from bridge on county road, 9½ miles east of Moore, and 12 miles upstream from mouth.
Drainage area.--47.9 sq mi.
Records available.--August 1957 to September 1963 (continuous record), October 1963 to
Gage.--Water-stage recorder. Altitude of gage is 4,300 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	May 22, 1958	3.78	57
1959	June 7, 1959	5.42	143
1960	June 4, 1960	4.50	102
1961	June 1, 1961	4.83	101
1962	May 22, 1962	6.77	683
1963	June 15, 1963	4.75	216
1964	June 9, 1964	7.68	1,220
1965	June 17, 1965	4.52	162
1966	May 29, 1966	4.47	155
1967	June 8, 1967	7.60	1,180
1968	June 10, 1968	6.69	578
1969	June 27, 1969	7.07	870
1970	May 28, 1970	6.76	420 (revised)
1971	June 7, 1971	6.20	440

[a] About.
[b] Backwater from ice.
[c] No evidence of flow during year.

61. Missouri River tributary near Landusky, Mont. (6-1151)

Location.--Lat 47°38', long 108°42', in NW¼ sec.31, T.22 N., R.24 E., Fergus County, at culvert on county road, 0.4 mile west of U.S. Highway 191 along south side of Missouri River, 19 miles south of Landusky.
Drainage area.--3.39 sq mi.
Records available.--June 1962 to
Gage.--Crest-stage gage installed May 14, 1963. Altitude of gage is 2,280 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eJune 15, 1962	--	>500
1963	July 18, 1963	3.75	111
1964	May 3, 1964	.04	1
1965	May 7, 1965	1.07	20
1966	--	--	(c)
1967	Mar. 23, 1967	1.86	30
1968	Aug. 15, 1968	2.23	40
1969	June 26, 1969	.99	12
1970	June 12, 1970	.81	10
1971	Aug. 30, 1971	3.75	100

62. Duval Creek near Landusky, Mont. (6-1153)

Location.--Lat 47°45', long 108°42', in center of sec.13, T.23 N., R.23 E., Phillips County, at culvert on U.S. Highway 191, 10.0 road miles north of the Fred Robinson Bridge over the Missouri River, [illegible]1 miles southwest of Landusky.
Drainage area.--3.3[illegible] sq mi.
Records available.--May 1963 to
Gage.--Crest-stage gage installed May 14, 1963. Altitude of gage is 2,900 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	May 11, 1963	2.13	46
1964	Aug. 20, 1964	4.23	145
1965	May 7, 1965	6.30	280
1966	Apr. 26, 1966	2.14	47
1967	Mar. 23, 1967	3.80	73
1968	Feb. 28, 1968	2.09	19
1969	Apr. 26, 1969	3.06	46
1970	April 28, 1970	2.84	40
1971	Mar. 16, 1971	2.79	17

61. Antelope Creek tributary near Harlowton, Mont. (6-1206)

Location.--Lat 46°39', long 109°58' in NE¼ sec.8, T.10 N., R.14 E., Wheatland County, at culvert on county road, 18.3 miles northwest of Harlowton.
Drainage area.--0.47 sq mi.
Records available.--July 1955 to
Gage.--Crest-stage gage installed July 13, 1955. Altitude of gage is 5,400 ft (from topographic map).

c No evidence of flow during year.
e Prior to installation of gage.

63. Antelope Creek tributary near Harlowton, Mont, (6-1206) Cont-

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1956	June 15, 1956	1.36	13
1957	March 1957	.56	7
1958	--	--	(c)
1959	March 1959	1.72	3
1960	Mar. 18, 1960	2.04	6
1961	June 13, 1961	.25	(c)
1962	Mar. 26, 1962	1.40	1
1963	Feb. 4, 1963	1.32	1
1964	--	--	(c)
1965	April 1965	1.15	<1
1966	July 2, 1966	1.47	2
1967	Apr. 12, 1967	.92	<.5
1968	Feb. 28, 1968	1.09	<.5
1969	June 6, 1969	4.82	68
1970	Apr. 6, 1970	b2.06	a1
1971	Apr. 26, 1971	1.21	.8

64. Antelope Creek tributary near mouth, near Harlowton, Mont. (6-1207)

Location.--Lat 46°37', long 109°57', in NW¼ sec.22, T.10 N., R.14 E., Wheatland County, at bridge on county road, 16.3 miles northwest of Harlowton.

Drainage area.--1.92 sq mi.

Records available.--July 1955 to

Gage.--Crest-stage gage installed July 12, 1955. Altitude of gage is 5,000 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1956	Mar. 17, 1956	1.60	207
1957	June 16, 1957	1.51	188
1958	May 23, 1958	.17	17
1959	Mar. 20, 1959	.75	65
1960	Mar. 18, 1960	.42	33
1961	--	--	(c)
1962	Mar. 26, 1962	.28	20
1963	Feb. 4, 1963	b1.49	a50
1964	March 1964	.54	a45
1965	April 1965	1.40	165
1966	Mar. 20, 1966	.68	60
1967	Mar. 23, 1967	b.58	<5
1968	June 29, 1968	.74	65
1969	June 6, 1969	2.30	307
1970	Apr. 6, 1970	.73	65
1971	Mar. 10, 1971	b1.40	3

a About.
b Backwater from ice.
c No evidence of flow during year.

65. Antelope Creek tributary No. 2 near Harlowton, Mont,(6-1208)

Location.--Lat 46°28', long 109°49', in SE¼ sec.10, T.8 N., R.15 E., Wheatland County, at E. S. Bacon ranch, 1½ miles north of Harlowton.
Drainage area.--21.2 sq mi.
Records available.--July 1955 to
Gage.--Crest-stage gage installed July 13, 1955. Altitude of gage is 4,250 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1956	June 15, 1956	3.51	820
1957	June 21, 1957	1.95	190
1958	June 1958	.36	35
1959	Mar. 20, 1959	.57	80
1960	--	(f)	< 25
1961	--	(f)	< 25
1962	June 16, 1962	5.56	3,230
1963	Feb. 4, 1963	b.61	a20
1964	June 8, 1964	1.41	a130
1965	June 12, 1965	3.79	922
1966	--	(f)	< 50
1967	June 13, 1967	1.32	125
1968	June 7, 1968	1.04	95
1969	Mar. 31, 1969	.77	65
1970	May 7, 1970	(f)	a20
1971	May 10, 1971	(f)	5

66. Antelope Creek at Harlowton, Mont. (6-1209)

Location.--Lat 46°26', long 109°49', in NE¼ sec.22, T.8 N., R.15 E., Wheatland County, on overpass on U.S. Highway 12 at Harlowton.
Drainage area.--88.7 sq mi.
Records available.--July 1955 to
Gage.--Crest-stage gage installed July 12, 1955. Altitude of gage is 4,150 ft (from topographic map).

a About.
b Backwater from ice.
e Prior to installation of gage.
f Peak discharge did not reach bottom of gage.

66. Antelope Creek at Harlowton, Mont. (6-1209)--Continued

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1950	eJune 17, 1950	16,73	24,400
1954	eAug. 15, 1954	4.52	1,600
1955	eJune 26, 1955	3.01	591
1956	June 15, 1956	3.28	800
1957	June 21, 1957	1.52	170
1958	--	(f)	<30
1959	--	(f)	<30
1960	--	(f)	<30
1961	--	(f)	<30
1962	June 16, 1962	4.02	1,280
1963	Feb. 4, 1963	(f)	<30
1964	--	(f)	<30
1965	June 12, 1965	2.2	318
1966	--	(f)	<30
1967	June 7, 1967	.60	70
1968	June 13, 1968	.90	95
1969	April 1969	.47	60
1970	May 7, 1970	(f)	a10
1971	May 30, 1971	(f)	15

67. Currant Creek near Roundup, Mont. (6-1263)

Location.--Lat 46°22', long 108°39', in SW¼ sec.7, T.7 N., R.25 E., Musselshell County, at bridge on U.S. Highway 12, 7 miles southwest of Roundup.

Drainage area.--220 sq mi.

Records available.--May 1958 to

Gage.--Crest-stage gage installed May 9, 1958. Altitude of gage is 3,250 ft (from topographic map).

Cooperation.--Montana State Water Conservation Board.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	July 19, 1958	2.12	a40
1959	Mar. 1, 1959	6.65	780
1960	--	--	Unknown
1961	July 21, 1961	1.86	31
1962	June 15, 1962	5.28	395
1963	June 5, 1963	b3.45	a20
1964	June 8, 1964	3.80	140
1965	Apr. 1, 1965	1.55	25
1966	July 3, 1966	2.02	37
1967	June 7, 1967	b9.75	1,620
1968	June 9, 1968	2.85	71
1969	Mar. 18, 1969	b4.36	a150
1970	May 11, 1970	2.80	70
1971	Feb. 12, 1971	4.92	440

a About.
b Backwater from ice.

68. South Willow Creek tributary near Roundup, Mont. (6-1271)

Location.--Lat 46°31', long 108°35', in center E½ sec.28, T.9 N., R.25 E., Musselshell County, at culvert on U.S. Highway 87 between Roundup and Grass Range, 4½ miles north of Roundup.
Drainage area.--1.38 sq mi.
Records available.--May 1962 to
Gage.--Crest-stage gage installed Apr. 28, 1963. Altitude of gage is 3,450 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	May 13, 1962	8.34	444
1963	--	--	(c)
1964	June 8, 1964	1.77	45
1965	July 27, 1965	9.90	510
1966	July 3, 1966	4.94	210
1967	June 7, 1967	1.75	45
1968	June 9, 1968	4.40	175
1969	Mar. 17, 1969	3.41	120
1970	May 11, 1970	2.74	85
1971	Feb. 13, 1971	1.07	25

69. Musselshell River tributary near Musselshell, Mont.(6-1272)

Location.--Lat 46°30', long 108°15', in SW¼ sec.30, T.9 N., R.28 E., Musselshell County, at bridge on U.S. Highway 12, 7.0 road miles east of Gage railroad siding, 2.0 miles west of road to Delphia, and 8 miles west of Musselshell.
Drainage area.--10.8 sq mi.
Records available.--May 1963 to
Gage.--Crest-stage gage installed May 15, 1963. Altitude of gage is 3,070 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	--	--	(c)
1964	--	--	(c)
1965	April 1965	1.73	150
1966	Mar. 10, 1966	.96	22
1967	March 1967	.44	<1
1968	July 15, 1968	2.30	154
1969	April 1969	1.86	84
1970	June 12, 1970	1.05	20
1971	Feb. 12, 1971	2.04	126

70. Home Creek near Melstone, Mont. (6-1275.3)

Location.--Lat 46°38', long 107°47', in NE¼ sec.14, T.10 N., R.31 E., Rosebud County, at bridge on U.S. Highway 12, 2.2 miles east of Musselshell River bridge, 5 miles northeast of Melstone, and 11 miles west of Sumatra.
Drainage area.--31.2 sq mi.
Records available.--May 1963 to September 1967 (discontinued)
Gage.--Crest-stage gage installed May 16, 1963. Altitude of gage is 2,860 ft (from topographic map).

c No evidence of flow during year.

70. Home Creek near Melstone, Mont. (6-1275.3) Continued

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	--	--	(c)
1964	--	--	(c)
1965	May 7, 1965	3.47	a95
1966	July 13, 1966	5.98	252
1967	June 4, 1967	3.18	a75

71. Butts Coulee near Melstone, Mont. (6-1275.7)

Location.--Lat 46°39', long 107°49', in center E½ sec.9, T.10 N., R.31 E., Musselshell County, at culvert on county road, 2.8 miles north of U.S. Highway 12, 4 miles northeast of Melstone.

Drainage area.--5.96 sq mi.

Records available.--May 1963 to . Prior to 1966, published as Musselshell River tributary No. 2 near Melstone.

Gage.--Crest-stage gage installed May 16, 1963. Altitude of gage is 2,810 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	May 11, 1963	2.67	64
1964	Aug. 20, 1964	3.53	100
1965	June 15, 1965	3.9	114
1966	Mar. 8, 1966	1.21	20
1967	June 18, 1967	2.60	62
1968	June 9, 1968	8.44	310
1969	July 7, 1969	11.40	488
1970	June 14, 1970	5.82	170
1971	Feb. 13, 1971	3.43	95

72. South Fork Bear Creek near Roy, Mont. (6-1284)

Location.--Lat 47°12', long 108°48', in SW¼ sec.28, T.17 N., R.23 E., Fergus County, at bridge on State Highway 19, 10.2 miles south of U.S. Highway 191, 11.2 miles north of U.S. Highway 87 and State Highway 18, 12 miles southeast of Roy, and 12 miles north of Grass Range.

Drainage area.--39.6 sq mi.

Records available.--June 1962 to

Gage.--Crest-stage gage installed May 15, 1963. Altitude of gage is 3,250 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	June 15, 1962	2.67	225
1963	May 11, 1963	1.37	30
1964	June 8, 1964	5.05	1,490
1965	April 1965	2.55	200
1966	July 3, 1966	2.86	265
1967	June 9, 1967	1.78	75
1968	June 9, 1968	4.39	940
1969	Mar. 19, 1969	3.57	500
1970	May 3, 1970	2.86	210
1971	Feb. 13, 1971	3.59	490

a About.

73. South Fork Bear Creek tributary near Roy, Mont. (6-1285)

Location.--Lat 47°14', long 108°48', in SW¼ sec.16, T.17 N., R.23 E., Fergus County, at culvert on State Highway 19, 8.7 road miles south of U.S. Highway 191, 1.7 miles north of South Fork Bear Creek , 10½ miles southeast of Roy, and 14 miles north of Grass Range.
Drainage area.--5.40 sq mi.
Records available.--June 1962 to
Gage.--Crest-stage gage installed May 14, 1963. Altitude of gage is 3,300 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	June 15, 1962	1.90	28
1963	June 25, 1963	.42	1
1964	July 5, 1964	2.88	63
1965	April 1965	2.78	59
1966	July 3, 1966	2.65	53
1967	May 1967	1.33	15
1968	June 9, 1968	3.31	82
1969	Mar. 19, 1969	5.40	185
1970	May 2, 1970	3.00	68
1971	Feb. 13, 1971	4.66	148

74. Box Elder Creek tributary near Winnett, Mont. (6-1289)

Location.--Lat 47°01', long 108°10', in SW¼NW¼ sec.34, T.15 N., R.28 E., Petroleum County, 0.2 mile north of State Highway 20 and 8 miles east of Winnett.
Drainage area.--16.2 sq mi.
Records available.--July 1955 to
Gage.--Crest-stage gage installed July 14, 1955. Altitude of gage is 2,740 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	Aug. 23, 1955	2.20	132
1956	June 18, 1956	2.11	123
1957	Feb. 28, 1957	.66	27
1958	July 31, 1958	2.86	193
1959	Mar. 1, 1959	3.86	412
1960	Mar. 18, 1960	3.37	275
1961	Aug. 10, 1961	.90	40
1962	June 15, 1962	b8.3	a125
1963	May 11, 1963	2.87	194
1964	May 3, 1964	1.89	105
1965	March 1965	b3.84	a200
1966	March 1966	b1.36	a30
1967	May 11, 1967	1.83	100
1968	June 9, 1968	3.27	258
1969	July 6, 1969	5.85	1,030
1970	May 11, 1970	2.29	135
1971	Feb. 16, 1971	b4.32	a20

a About.
b Backwater from ice or Box Elder Creek.

North Fork McDonald Creek tributary near Heath, Mont. (6-1291)

Location.--Lat 47°04', long 109°13', in NE¼ sec.17, T.15 N., R.20 E., Fergus County, at culvert on U.S. Highway 87 and State Highway 20, 5 miles northeast of Heath.

Drainage area.--2.24 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 19, 1959. Altitude of gage is 4,280 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 18, 1960	1.04	22
1961	Oct. 1, 1960	.02	1
1962	May 21, 1962	1.21	27
1963	May 12, 1963	.38	6
1964	June 8, 1964	1.51	36
1965	March 1965	.90	18
1966	Mar. 31, 1966	.96	20
1967	April 1967	.83	16
1968	August 1968	.34	5
1969	Mar. 20, 1969	.40	6
1970	Apr. 6. 1970	.51	8
1971	Feb. 14, 1971	.50	8

76. Alkali Creek near Heath, Mont. (6-1292)

Location.--Lat 47°05', long 109°09', in SE¼ sec.11, T.15 N., R.20 E., Fergus County, at bridge on county road, 7½ miles northeast of Heath.

Drainage area.--3.76 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 19, 1959. Altitude of gage is 4,060 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 18, 1960	1.83	a60
1961	Feb. 20, 1961	b.62	a15
1962	June 15, 1962	7.4	757
1963	--	--	<1
1964	June 8, 1964	4.12	a120
1965	March 1965	2.59	a55
1966	Mar. 10, 1966	1.51	a60
1967	June 7, 1967	.36	19
1968	June 11, 1968	-.59	2
1969	Mar. 17, 1969	b.77	a12
1970	May 19, 1970	-.08	9
1971	Feruary .4, 1971	.04	11

77. South Fork McDonald Creek tributary near Grassrange, Mont. (6-1294)

Location.--Lat 47°00', long 108°47', in center of sec.3, T.14 N., R.23 E., Fergus County, at culvert on U.S. Highway 87, 1.4 road miles south of the approach road to Grassrange, 1½ miles southeast of Grassrange.

Drainage area.--0.51 sq mi.

Records available.--May 1963 to

Gage.--Crest-stage gage installed May 15, 1963. Altitude of gage is 3,700 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	June 29, 1963	0.16	6
1964	June 8, 1964	2.42	38
1965	March 1965	.40	8
1966	March 1966	b1.30	a1
1967	June 14, 1967	.95	15
1968	June 9, 1968	1.25	19
1969	July 6, 1969	2.66	42
1970	May 11, 1970	1.70	26
1971	Feb. 14, 1971	1.53	24

a About.
b Backwater from ice.

78. McDonald Creek at Winnett, Mont. (6-1295)

Location.--Lat 47°00', long 108°21', in NW¼ sec.7, T.14 N., R.27 E., Petroleum County, at bridge on State Secondary Highway 244, 0.8 mile south of Winnett.

Drainage area.--421 sq mi.

Records available.--April 1930 to December 1932, February 1934 to September 1945, and February 1953 to September 1956 (continuous record), October 1956 to

Gage.--Crest-stage gage installed Sept. 19, 1960. Prior to Oct. 1, 1956, wire-weight gage, and Oct. 1, 1956, to March 1960, crest-stage gage 1 mile downstream at different datum. Altitude of gage is 2,930 ft (by barometer), at old site.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1931	Mar. 1-3, 1931	13.30	d4.2
1932	June 9, 1932	20.40	d562
1934	June 9, 1934	18.12	d351
1935	July 8, 1935	18.30	d371
1936	Mar. 5, 1936	--	a220
1937	July 13, 1937	18.75	401
1938	July 8, 1938	18.71	d328
1939	June 19, 1939	4.55	270
1940	Mar. 3, 1940	--	a75
1941	June 28, 1941	5.42	482
1942	May 15 or 16, 1942	7.5	900
1943	June 8,18, 1943	5.59	d549
1944	June 20, 1944	7.40	853
1945	June 7, 1945	2.48	d180
1953	June 10, 1953	5.66	d424
1954	Aug. 5, 1954	3.00	47
1955	Apr. 11, 1955	4.39	241
1956	Aug. 3, 1956	2.55	88
1957	Mar. 19, 1957	2.20	67
1958	July 19, 1958	3.23	150
1959	Mar. 1, 1959	b6.84	a400
1960	Mar. 19, 1960	4.44	a200
1961	Mar. 20, 1961	1.25	.1
1962	June 17, 1962	4.20	485
1963	Feb. 4, 1963	--	a250
1964	June 10, 1964	a10.0	1,440
1965	March 1965	b7.70	a800
1966	Mar. 9, 1966	--	a200
1967	June 16, 1967	6.83	890
1968	June 9, 1968	6.37	810
1969	April 1969	4.43	500
1970	May 11, 1970	8.80	1,300
1971	Feb. 14, 1971	b9.48	a750

a About.
b Backwater from ice or beaver dam.
d Maximum observed.

79. Gorman Coulee near Cat Creek, Mont. (6-1297)

Location.--Lat 47°01', long 108°06', in SW¼SW¼ sec.31, T.15 N., R.29 E., Petroleum County, at culvert on State Highway 20, 6 miles southwest of Cat Creek.
Drainage area.--2.32 sq mi.
Records available.--July 1955 to
Gage.--Crest-stage gage installed July 14, 1955. Altitude of gage is 2,740 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	Aug. 23, 1955	5.59	385
1956	June 18, 1956	2.73	126
1957	Aug. 30, 1957	1.37	43
1958	July 19, 1958	2.09	83
1959	June 26, 1959	1.84	68
1960	--	--	Unknown
1961	--	--	(c)
1962	May 16, 1962	1.06	28
1963	--	--	<5
1964	Aug. 20, 1964	1.89	70
1965	July 10, 1965	4.05	237
1966	March 1966	.14	5
1967	June 7, 1967	5.00	328
1968	Aug. 15, 1968	.79	20
1969	July 6, 1969	9.80	810
1970	June 13, 1970	2.15	85
1971	June 27, 1971	2.88	135

80. Gorman Coulee tributary near Cat Creek, Mont. (6-1298)

Location.--Lat 47°01', long 108°06', in SE¼SW¼ sec.31, T.15 N., R.29 E., Petroleum County, at culvert on State Highway 20, 6 miles southwest of Cat Creek.
Drainage area.--0.81 sq mi.
Records available.--May 1955 to
Gage.--Crest-stage gage installed May 27, 1955. Altitude of gage is 2,760 ft (from topographic map).

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c No evidence of flow during year.

80. Gorman Coulee tributary near Cat Creek, Mont. (6-1298)Cont-

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	Aug. 23, 1955	3.02	159
1956	June 18, 1956	.96	32
1957	Aug. 30, 1957	1.24	44
1958	July 31, 1958	2.52	122
1959	Sept. 22, 1959	.28	10
1960	Mar. 18 , 1960	.37	12
1961	Aug. 10, 1961	.50	15
1962	May 16, 1962	.55	17
1963	--	--	<5
1964	Aug. 20, 1964	1.85	78
1965	July 10, 1965	2.74	133
1966	Mar. 9, 1966	b.52	a5
1967	June 7, 1967	4.14	230
1968	June 9, 1968	.94	31
1969	July 6, 1969	5.12	315
1970	June 13, 1970	.60	20
1971	June 27, 1971	2.52	115

81. Cat Creek near Cat Creek, Mont. (6-1306)

Location.--Lat 47°03', long 108°01', in SW¼ sec.23, T.15 N., R.29 E., Petroleum County, at culvert on county road, 2½ miles south of Cat Creek.

Drainage area.--36.5 sq mi.

Records available.--April 1958 to

Gage.--Crest-stage gage installed Apr. 19, 1958. Altitude of gage is 2,650 ft (from topographic map).

Cooperation.--Montana State Water Conservation Board.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	Aug. 15, 1958	2.76	92
1959	Mar. 12, 1959	4.58	170
1960	Mar. 18, 1960	5.85	379
1961	June 23, 1961	1.27	40
1962	June 16, 1962	6.19	748
1963	June 29, 1963	.72	26
1964	Aug. 20, 1964	2.61	90
1965	May 7, 1965	3.56	125
1966	Mar. 10, 1966	1.35	43
1967	June 7, 1967	.55	13
1968	Feb. 26, 1968	b1.22	a5
1969	July 6, 1969	2.32	76
1970	June 12, 1970	3.14	108
1971	Feb. 26, 1971	2.54	85

a About.
b Backwater from ice.

82. Second Creek tributary near Jordan, Mont. (6-1308)

Location.--Lat 47°12', long 106°48', in NW¼NW¼ sec.31, T.17 N., R.39 E., Garfield County, at culvert on State Highway 22, 11 miles southeast of Jordan.

Drainage area.--0.75 sq mi.

Records available.--March 1958 to

Gage.--Crest-stage gage installed Mar. 18, 1958. Altitude of gage is 2,750 ft (from topographic map).

Cooperation.--Montana State Water Conservation Board.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1954	eAug. 16, 1954	9.64	334
1958	--	--	(c)
1959	Mar. 17, 1959	1.22	13
1960	Mar. 18, 1960	1.75	21
1961	--	--	(c)
1962	Mar. 18, 1962	1.10	12
1963	Feb. 4, 1963	b2.00	a5
1964	June 18, 1964	9.62	304
1965	April 1965	1.58	18
1966	July 2, 1966	.91	8
1967	June 7, 1967	1.90	24
1968	Feb. 26, 1968	b2.54	a10
1969	July 7, 1969	6.42	59
1970	June 30, 1970	2.16	27
1971	Feb. 14, 1971	2.06	25

83. Second Creek tributary No.2 near Jordan, Mont. (6-1308.5)

Location.--Lat 47°12', long 106°49', in NW¼ sec.25, T.17 N., R.38 E., Garfield County, at culvert on State Highway 22, 9½ miles southeast of Jordan.

Drainage area.--1.90 sq mi.

Records available.--March 1958 to

Gage.--Crest-stage gage installed Mar. 18, 1958. Altitude of gage is 2,750 ft (from topographic map).

Cooperation.--Montana State Water Conservation Board.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	June 1958	0.86	23
1959	Mar. 17, 1959	1.7	58
1960	Mar. 18, 1960	1.98	75
1961	Sept. 11, 1961	-.37	a2
1962	Mar. 18, 1962	.51	15
1963	Feb. 26, 1963	.82	20
1964	June 18, 1964	8.40	760
1965	Mar. 31, 1965	1.65	55
1966	July 2, 1966	.40	13
1967	June 7, 1967	.73	20
1968	Feb. 26, 1968	.26	10
1969	Apr. 25, 1969	.32	11
1970	June 30, 1970	2.89	120
1971	Feb. 14, 1971	.19	8

a About.
b Backwater from ice.

84. Second Creek tributary No. 3 near Jordan, Mont. (6-1309)

Location.--Lat 47°13', long 106°50', in NW¼ sec.23, T.17 N., R.38 E., Garfield County, at culvert on State Highway 22, 8½ miles southeast of Jordan.

Drainage area.--0.60 sq mi.

Records available.--July 1958 to

Gage.--Crest-stage gage installed July 23, 1958. Altitude of gage is 2,780 ft (from topographic map).

Cooperation.--Montana State Water Conservation Board.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	--	--	(c)
1959	Mar. 3, 1959	1.77	31
1960	Mar. 18, 1960	1.03	18
1961	June 1, 1961	.23	a3
1962	July 14, 1962	.81	14
1963	July 18, 1963	.47	8
1964	June 18, 1964	13.32	458
1965	Mar. 31, 1965	1.44	25
1966	Mar. 10, 1966	.39	7
1967	Mar. 22, 1967	.75	13
1968	Feb. 26, 1968	.76	13
1969	Apr. 25, 1969	.92	16
1970	Apr. 28, 1970	1.68	30
1971	Feb. 14, 1971	.83	14

85. Little Dry Creek near Van Norman, Mont. (6-1309.5)

Location.--Lat 47°21', long 106°22', in SE¼ sec.4, T.18 N., R.42 E., Garfield County, at bridge on State Highway 20, 1½ miles southeast of Van Norman.

Drainage area.--1,224 sq mi.

Records available.--May 1958 to

Gage.--Crest-stage gage installed May 5, 1958. Altitude of gage is 2,350 ft (from topographic map).

Cooperation.--Montana Water Conservation Board.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	July 6, 1958	0.83	160
1959	Mar. 18, 1959	6.80	5,200
1960	Mar. 20, 1960	b7.6	a4,000
1961	Sept. 11, 1961	3.08	1,320
1962	Mar. 22, 1962	2.32	850
1963	Feb. 6, 1963	b2.49	a800
1964	July 5, 1964	2.88	1,200
1965	Aug. 6, 1965	6.01	g4,300
1966	July 3, 1966	4.39	2,450
1967	March 1967	b3.19	a600
1968	July 16, 1968	4.28	2,350
1969	Mar. 21, 1969	b3.96	a1,400
1970	Apr. 28, 1970	2.92	1,200
1971	Mar. 13, 1971	4.51	2,300

a About. b Backwater from ice. c No evidence of flow during year.
g May have been greater April 1, during ice period.

86. Livermore Creek near Babb, Mont. (6-1322.5)

Location.--Lat 48°46', long 113°11', in NE¼ sec.28, T.35 N., R.12 W., Glacier County, at bridge on State Secondary Highway 464, 13½ miles southeast of Babb.
Drainage area.--25.0 sq mi.
Records available.--August 1961 to September 1967 (discontinued).
Gage.--Crest-stage gage installed Aug. 13, 1961. Altitude of gage is 4,730 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1961	--	--	Unknown
1962	Apr. 13, 1962	3.43	152
1963	July 5, 1963	2.62	75
1964	June 8, 1964	--	4,880
1965	May 26, 1965	7.21	1,150
1966	June 4, 1966	7.41	196
1967	May 9, 1967	7.60	a600

87. Middle Fork Milk River near Babb, Mont. (6-1323)

Location.--Lat 48°51', long 113°13', in SE¼ sec.30, T.36 N., R.12 W., Glacier County, at culvert on State Secondary Highway 464, 10 miles east of Babb.
Drainage area.--14.0 sq mi.
Records available.--August 1961 to September 1964 (discontinued).
Gage.--Crest-stage gage installed Aug. 13, 1961. Altitude of gage is 4,810 ft (from topographic map)
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1961	--	--	Unknown
1962	Apr. 13, 1962	2.62	107
1963	July 5, 1963	b2.12	a30
1964	June 8, 1964	2.96	558

88. Dry Fork Mild River near Babb, Mont. (6-1324)

Location.--Lat 48°50', long 113°12', in SE¼ sec.32, T.36 N., R.12 W., Glacier County, at bridge on State Secondary Highway 464, 11 miles east of Babb.
Drainage area.--17.4 sq mi.
Records available.--August 1961 to
Gage.--Crest-stage gage installed Aug. 13, 1961. Altitude of gage is 4,750 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1961	--	--	Unknown
1962	Apr. 13, 1962	3.96	394
1963	July 5, 1963	2.41	70
1964	June 8, 1964	5.20	1,880
1965	Apr. 26, 1965	3.92	98
1966	June 4, 1966	4.32	450
1967	May 8, 1967	4.79	1,040
1968	May 22, 1968	3.45	125
1969	June 25, 1969	3.73	180
1970	June 13, 1970	3.85	210
1971	Apr. 15, 1971	2.99	62

a About.
b Backwater from ice or debris.

89. Milk River near Del Bonita, Mont. (6-1327)

Location.--Lat 48°57', long 112°45', in center of N½ sec,23, T.37 N., R.9 W., Glacier County, at bridge on State Secondary Highway 483, 3½ miles southeast of customs post at Del Bonita.

Drainage area.--325 sq mi.

Records available.--August 1960 to September 1967 (discontinued). (Seasonal record station April 1962 to November 1964).

Gage.--Crest-stage gage installed Aug. 12, 1961. Altitude of gage is 4,030 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1906	May 31, 1906	5.9	629
1907	June 23, 1907	8.90	1,940
1908	June 6, 1908	15.4	a13,000
1911	May 16, 1911	6.55	1,610
1913	Apr. 13, 1913	5.7	1,120
1914	Apr. 12, 1914	4.80	588
1915	June 25, 1915	6.9	1,820
1916	Feb. 16, 1916	8.6	2,840
1917	Apr. 8, 1917	6.42	1,520
1919	Apr. 1, 1919	3.14	326
1923	June 22, 1923	3.62	487
1924	June 8, 1924	4.96	1,230
1927	Apr. 25, 1927	7.60	3,290
1929	June 3, 1929	3.77	597
1930	Mar. 28, 1930	5.90	1,570
1961	--	--	Unknown
1962	Apr. 14, 1962	b4.13	a800
1963	Feb. 6, 1963	b5.10	d765
1964	June 8, 1964	9.0	17,300
1965	Apr. 13, 1965	4.87	1,600
1966	June 5, 1966	5.39	2,330
1967	May 8, 1967	6.98	6,600

a About.
b Backwater from ice.
d Maximum observed.

90. Van Cleeve Coulee tributary near Sunburst, Mont. (6-1348)

Location.--Lat 48°53', long 111°49', on north line of NE¼ sec. 14, T.36 N., R.2 W., Toole County, at culvert on county road, 3.7 road miles east of interchange on Interstate 15 at Sumburst.

Drainage area.--10.8 sq mi.

Records available.--April 1963 to

Gage.--Crest-stage gage installed Apr. 17, 1963. Altitude of gage is 3,340 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	--	--	(c)
1964	May 3, 1964	2.08	35
1965	Apr. 7, 1965	4.00	239
1966	Mar. 9, 1966	1.55	15
1967	Mar. 22, 1967	b3.80	a110
1968	Feb. 28, 1968	1.15	10
1969	Mar. 17, 1969	b3.84	a110
1970	Mar. 20, 1970	2.26	46
1971	Feb. 14, 1971	1.26	11

91. Sage Creek tributary at Hingham, Mont. (6-1379)

Location.--Lat 48°34', long 110°25', in center of sec.3, T.32 N., R.10 E., Hill County, at culvert on farm road, 0.5 mile northeast of Hingham.

Drainage area.--1.08 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 27, 1959. Altitude of gage is 3,000 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 17, 1960	1.51	14
1961	--	--	(c)
1962	June 14, 1962	5.46	299
1963	July 3, 1963	2.27	26
1964	April 1964	.06	.1
1965	Apr. 9, 1965	2.71	45
1966	Mar. 9, 1966	1.40	18
1967	Feb. 26, 1967	1.36	17
1968	--	--	(c)
1969	Mar. 22, 1969	1.83	a20
1970	June 13, 1970	1.62	23
1971	Mar. 13, 1971	1.83	28

a About.
b Backwater from ice.
c No evidence of flow during year.

92. South Fork Spring Coulee near Havre, Mont. (6-1387)

Location.--Lat 48°25', long 109°50', in NE¼ sec.31, T.31 N., R.15 E., Hill County, at culvert on county road, 12 miles southwest of Havre.
Drainage area.--6.47 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 26, 1959. Altitude of gage is 2,770 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 17, 1960	2.04	33
1961	May 31, 1961	.04	2
1962	Mar. 18, 1962	1.68	25
1963	June 22, 1963	2.06	34
1964	May 3, 1964	.10	2
1965	April 1965	2.47	44
1966	Mar. 9, 1966	4.42	190
1967	Feb. 27, 1967	3.15	59
1968	Feb. 29, 1968	--	.1
1969	Mar. 26, 1969	3.47	75
1970	Mar. 7, 1970	1.96	31
1971	Feb. 12, 1971	2.38	50

93. Spring Coulee near Havre, Mont. (6-1388)

Location.--Lat 48°25', long 109°52', in NW¼ sec.25, T.31 N., R.14 E., Hill County, at culverts on county road, 13 miles southwest of Havre.
Drainage area.--17.8 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 26, 1959. Altitude of gage is 2,670 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	[e]Mar. 11, 1959	5.60	257
1960	Mar. 17, 1960	--	[a]10
1961	--	--	(c)
1962	Mar. 18, 1962	1.32	48
1963	Feb. 3, 1963	1.35	46
1964	--	--	(c)
1965	Apr. 6, 1965	2.01	77
1966	Mar. 9, 1966	6.24	345
1967	Mar. 22, 1967	3.41	146
1968	--	--	(c)
1969	Mar. 26, 1969	5.56	255
1970	July 13, 1970	.73	22
1971	Feb. 12, 1971	5.75	263

[a] About.
[c] No evidence of flow during year.
[e] Prior to installation of gage; peak discharge computed from highwater marks along highway embankment at culvert.

94. Big Sandy Creek near Assinniboine, Mont. (6-1395)

Location.--Lat 48°32', long 109°50', in SW¼SW¼ sec.18, T.32 N., R.15 E., Blaine County, 2 miles northwest of Assinniboine.

Drainage area.--1,805 sq mi.

Records available.--February 1946 to November 1953 (continuous record), April 1955 to September 1967 (discontinued)

Gage.--Water-stage recorder re-installed Apr. 9, 1955. Altitude of gage is 2,510 ft (by barometer).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1946	Feb. 27, 1946	--	h86
1947	Mar. 21, 1947	9.68	i2,080
1948	Mar. 22, 1948	--	h17
1949	Mar. 31, 1949	--	h5
1950	Mar. 29, 1950	3.88	208
1951	Mar. 23, 1951	5.01	391
1952	Apr. 3, 1952	14.70	5,570
1953	June 6, 1953	6.56	714
1954	--	--	Unknown
1955	Apr. 11, 1955	6.48	698
1956	Mar. 30, 1956	b6.47	a550
1957	Feb. 28, 1957	b5.13	a250
1958	Mar. 28, 1958	--	a500
1959	Mar. 11, 1959	7.80	1,100
1960	Mar. 25, 1960	a4.1	215
1961	June 3, 1961	3.64	132
1962	June 12, 1962	2.54	6
1963	Feb. 6, 1963	2.16	.1
1964	May 19, 1964	6.62	700
1965	Apr. 12, 1965	11.31	2,950
1966	Mar. 9, 1966	8.07	1,200
1967	June 13, 1967	6.08	630

a About.
b Backwater from ice.
h Maximum daily.
i Maximum recorded.

95. Bullhook Creek near Havre, Mont. (6-1404)

Location.--Lat 48°31', long 109°38', in NE¼ sec.27, T.32 N., R.16 E., Hill County, at bridge on county road, 3½ miles south of Havre.

Drainage area.--39.6 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 26, 1959. Altitude of gage is 2,610 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 18, 1960	1.84	85
1961	--	--	(c)
1962	Mar. 18, 1962	1.49	55
1963	Feb. 24, 1963	.86	13
1964	May 4, 1964	1.38	47
1965	Aug. 23, 1965	3.68	350
1966	Mar. 9, 1966	3.87	390
1967	Mar. 22, 1967	2.44	135
1968	Feb. 24, 1968	1.75	75
1969	Mar. 26, 1969	4.25	470
1970	Mar. 7, 1970	1.92	90
1971	Jan. 20, 1971	6.04	700

96. Milk River tributary near Lohman, Mont. (6-1419)

Location.--Lat 48°35', long 109°26', in SW¼ sec.30, T.33 N., R.18 E., Blaine County at culvert on U.S. Highway 2, 1.2 miles west of Lohman.

Drainage area.--0.16 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 26, 1959. Altitude of gage is 2,450 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 15, 1960	0.24	0.4
1961	--	--	(c)
1962	--	--	(c)
1963	--	--	(c)
1964	--	--	(c)
1965	July 7, 1965	.96	a5
1966	Mar. 9, 1966	1.24	a8
1967	Mar. 22, 1967	.48	1.4
1968	--	--	(c)
1969	Mar. 26, 1969	.57	2.5
1970	July 13, 1970	1.78	16
1971	Feb. 12, 1971	1.14	6

a About.

c No evidence of flow during year.

97. Black Coulee near Malta, Mont. (6-1551)

Location.--Lat 48°13', long 108°02', in NE¼ sec.1, T.28 N., R.28 E., Phillips County, at bridge on U.S. Highway 191, 12 miles southwest of Malta.

Drainage area.--6.64 sq mi.

Records available.--July 1955 to September 1967 (discontinued).

Gage.--Crest-stage gage installed July 27, 1955. Altitude of gage is 2,450 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1956	July 3, 1956	1.98	a100
1957	Mar. 19, 1957	1.85	a90
1958	April 1958	1.02	28
1959	Mar. 13, 1959	b2.93	a60
1960	Mar. 18, 1960	b3.21	Not determined
1961	May 30, 1961	1.04	29
1962	July 18, 1962	2.96	a200
1963	Feb. 5, 1963	b2.93	Not determined
1964	May 3, 1964	3.16	a220
1965	May 7, 1965	2.45	a150
1966	March 1966	.91	23
1967	March 1967	b2.68	a50

98. Alkali Creek near Malta, Mont. (6-1552)

Location.--Lat 48°16', long 107°58', near center sec.16, T.29 N., R.29 E., Phillips County, at bridge on U.S. Highway 191, 8¼ miles southwest of Malta.

Drainage area.--162 sq mi.

Records available.--July 1955 to

Gage.--Crest-stage gage installed July 27, 1955. Altitude of gage is 2,270 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1956	Mar. 19, 1956	b0.85	a45
1957	Mar. 21, 1957	1.69	355
1958	Mar. 25, 1958	.82	104
1959	Mar. 13, 1959	b3.0	a800
1960	--	--	Unknown
1961	--	(f)	a220
1962	July 14, 1962	2.68	750
1963	Feb. 5, 1963	b3.09	a700
1964	May 4, 1964	1.36	245
1965	April 1965	a4.0	Not determined
1966	--	(f)	<10
1967	Mar. 22, 1967	b4.43	Not determined
1968	--	(f)	<10
1969	Mar. 29, 1969	1.60	322
1970	May 2, 1970	1.76	380
1971	Mar. 30, 1971	b2.63	a550

a About.
b Backwater from ice.
c Peak discharge did not reach bottom of gage.

99. Disjardin Coulee near Malta, Mont. (6-1553)

Location.--Lat 48°16', long 107°58', on SE¼NW¼ sec.16, T.29 N., R.29 E., Phillips County, at bridge on U.S. Highway 191, 8 miles southwest of Malta.
Drainage area.--3.42 sq mi.
Records available.--July 1955 to
Gage.--Crest-stage gage installed July 26, 1955. Altitude of gage is 2,290 ft (from topographic map)
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1956	Aug. 5, 1956	3.22	160
1957	Mar. 19, 1957	1.02	22
1958	--	--	(c)
1959	Mar. 18, 1959	1.62	132
1960	Mar. 18, 1960	.61	32
1961	May 30, 1961	.44	20
1962	July 18, 1962	2.23	a200
1963	Feb. 5, 1963	b3.25	a100
1964	Aug. 20, 1964	.38	7
1965	Apr. 12, 1965	5.15	a360
1966	March 1966	1.37	34
1967	Mar. 22, 1967	1.89	90
1968	Feb. 28, 1968	.47	15
1969	March 1969	.81	30
1970	June 14, 1970	.41	13
1971	Mar. 31, 1971	.55	17

100. South Fork Taylor Creek near Malta, Mont. (6-1554)

Location.--Lat 48°19', long 107°55', in SE¼ sec.26, T.30 N., R.29 E., Phillips County, at bridge on U.S. Highway 191, 3½ miles southwest of Malta.
Drainage area.--5.08 sq mi.
Records available.--July 1955 to
Gage.--Crest-stage gage installed July 28, 1955. Altitude of gage is 2,290 ft (from topographic map).

a About
b Backwater from ice.

100 South Fork Taylor Creek near Malta, Mont (6-1554) Continued

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1956	Mar. 19, 1956	1.75	52
1957	Mar. 19, 1957	1.43	22
1958	--	--	(c)
1959	July 13, 1959	1.94	84
1960	Mar. 18, 1960	1.89	75
1961	July 30, 1961	.90	2
1962	July 18, 1962	1.54	65
1963	Feb. 5, 1963	.95	20
1964	--	--	(c)
1965	Apr. 12, 1965	.68	<1
1966	--	--	(c)
1967	Mar. 22, 1967	b2.16	a70
1968	Feb. 28, 1968	.12	<1
1969	--	--	(c)
1970	June 14, 1970	.65	8
1971	Mar. 31, 1971	1.44	24

101. Unger Creek near Vandalia, Mont. (6-1723)

Location.--Lat 48°22', long 106°48', in SW¼ sec.9, T.30 N., R.38 E., Valley County at bridge on U.S. Highway 2, 4½ miles northeast of Vandalia.

Drainage area.--11.1 sq mi.

Records available.--April 1958 to

Gage.--Crest-stage gage installed Apr. 15, 1958. Altitude of gage is 2,220 ft (from topographic map).

Cooperation.--Montana State Water Conservation Board.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	March 1958	0.92	10
1959	Apr. 1, 1959	1.41	32
1960	Mar. 20, 1960	2.32	225
1961	June 13, 1961	1.02	13
1962	July 14, 1962	3.28	575
1963	June 29, 1963	2.23	46
1964	July 19, 1964	1.20	12
1965	May 6, 1965	2.63	330
1966	March 1966	1.15	10
1967	Mar. 27, 1967	b2.75	a100
1968	Feb. 28, 1968	b2.24	a30
1969	Apr. 26, 1969	1.30	17
1970	June 30, 1970	2.75	370
1971	May 30, 1971	2.23	195

a About.
b Backwater from ice.
c No evidence of flow during year.

102. Mooney Coulee near Tampico, Mont (6-1723.5)

Location.--Lat 48°17', long 106°42', in NW¼ sec.7, T.29 N., R.39 E., Valley County, at bridge on U.S. Highway 2, 5½ miles east of Tampico.
Drainage area.--12.8 sq mi.
Records available.--August 1960 to
Gage.--Crest-stage gage installed Aug. 24, 1960. Altitude of gage is 2,220 ft (from topographic map).
Cooperation.--Montana State Water Conservation Board.
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	--	--	Unknown
1961	June 13, 1961	2.37	400
1962	July 14, 1962	2.20	220
1963	Feb. 5, 1963	b1.30	a50
1964	--	--	(c)
1965	May 1965	.14	<1
1966	July 13, 1966	.40	2
1967	Mar. 27, 1967	b1.35	85
1968	Feb. 28, 1968	1.05	35
1969	July 6, 1969	.78	17
1970	June 13, 1970	1.30	65
1971	May 30, 1971	1.29	63

103. Milk River tributary No. 2 near Glasgow, Mont. (6-1724)

Location.--Lat 48°15' long 106°41', in center of sec.29, T.29 N., R.39 E., Valley County, at bridge on U.S. Highway 2, 3½ miles northwest of Glasgow.
Drainage area.--
Records available.--June 1958 to August 1960 (discontinued)
Gage.--Crest-stage gage installed June 28, 1958.
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	--	--	Unknown
1959	Apr. 1, 1959	1.79	Unknown

104. East Fork Sand Creek near Vida, Mont. (6-1755.5)

Location.--Lat 47°48', long 105°37', in NW¼ sec.31, T.24 N., R.48 E., McCone County, at culverts on county road, 5.8 road miles west from State Highway 13 on Sand Creek road, 6 miles southwest of Vida.
Drainage area.--8.51 sq mi.
Records available.--May 1963 to
Gage.--Crest-stage gage installed May 18, 1963. Altitude of gage is 2,200 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	June 6, 1963	4.88	600
1964	June 18, 1964	1.24	94
1965	Apr. 2, 1965	--	a250
1966	July 2, 1966	5.9	1,180
1967	March 1967	1.23	94
1968	Feb. 28, 1968	.76	75
1969	Mar. 26, 1969	3.53	220
1970	Apr. 7, 1970	1.42	60
1971	Mar. 31, 1971	2.07	130

a About. b Backwater from ice. c No evidence of flow during year.

105. West Fork Wolf Creek near Lustre, Mont. (6-1756)

Location.--Lat 48°23', long 106°00', in SW¼ sec.3, T.30 N., R.44 E., Roosevelt County, at bridge on county road, 5 miles west of Lustre.

Drainage area.--6.57 sq mi.

Records available.--June 1955 to September 1967 (discontinued).

Gage.--Crest-stage gage installed June 9, 1955. Altitude of gage is 2,740 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1956	June 26, 1956	0.89	Not determined
1957	Apr. 23, 1957	2.24	Not determined
1958	--	--	(c)
1959	Mar. 25, 1959	.68	Not determined
1960	Mar. 18, 1960	1.99	Not determined
1961	Apr. 3, 1961	.33	Not determined
1962	Mar. 25, 1962	.90	Not determined
1963	Mar. 6, 1963	.95	Not determined
1964	Apr. 1, 1964	--	Not determined
1965	--	--	(c)
1966	March 1966	.31	Not determined
1967	March 1967	1.16	Not determined

106. East Fork Wolf Creek near Lustre, Mont. (6-1757)

Location.--Lat 48°24', long 105°48', in SE¼ sec.30, T.31 N., R.46 E., Valley County, at culverts on county road, 4 miles east of Lustre.

Drainage area.--9.61 sq mi.

Records available.--June 1955 to

Gage.--Crest-stage gage installed June 9, 1955. Altitude of gage is 2,720 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1956	June 1956	2.27	12
1957	March 1957	b3.28	a5
1958	April 1958	b.58	a1
1959	June 21, 1959	.42	2
1960	Mar. 19, 1960	b5.20	a150
1961	Mar. 5, 1961	b3.44	a130
1962	June 14, 1962	3.26	74
1963	Mar. 6, 1963	--	a40
1964	Apr. 1, 1964	b1.74	a50
1965	June 16, 1965	2.92	60
1966	March 1966	b4.79	a92
1967	March 1967	2.61	55
1968	Aug. 15, 1968	3.58	75
1969	Apr. 26, 1969	--	a280
1970	June 30, 1970	6.42	2,230
1971	Apr. 9, 1971	5.33	236

a About.
b Backwater from ice.
c No evidence of flow during year.

107. Wolf Creek tributary near Wolf Point, Mont. (6-1758)

Location.--Lat 48°14', long 105°46', in sec.29, T.29 N., R.46 E., Roosevelt County, at bridge on county road, 15 miles northwest of Wolf Point.
Drainage area.--2.46 sq mi.
Records available.--June 1955 to September 1967 (discontinued)
Gage.--Crest-stage gage installed June 24, 1955, Altitude of gage is 2,310 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	July 1955	0.50	Not determined
1956	April 1956	1.61	Not determined
1957	March 1957	.89	Not determined
1958	--	--	(c)
1959	Mar. 25, 1959	.97	Not determined
1960	--	--	Unknown
1961	Mar. 5, 1961	.33	Not determined
1962	June 14, 1962	2.46	Not determined
1963	Aug. 26, 1963	.36	Not determined
1964	May 5, 1964	.03	Not determined
1965	June 16, 1965	1.15	Not determined
1966	March 1966	.75	Not determined
1967	March 19677	b2.59	Not determined

108. Wolf Creek tributary No.2 near Wolf Point, Mont. (6-1759)

Location.--Lat 48°12', long 105°45', in sec.11, T.28 N., R.46 E., Roosevelt County, at bridge on county road, 9½ miles northwest of Wolf Point.
Drainage area.--6.54 sq mi.
Records available.--June 1955 to
Gage.--Crest-stage gage installed June 24, 1955. Altitude of gage is 2,240 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	July 1955	1.50	15
1956	April 1956	1.92	26
1957	July 14, 1957	2.03	28
1958	Mar. 24, 1958	1.62	1
1959	June 20, 1959	3.81	979
1960	Mar. 18, 1960	3.24	140
1961	May 21, 1961	3.00	110
1962	July 1, 1962	4.78	365
1963	July 10,1963	4.18	265
1964	May 5, 1964	1.56	1
1965	June 16, 1965	2.66	80
1966	July 2, 1966	3.23	135
1967	March 1967	b5.40	a300
1968	July 16, 1968	7.81	3,900
1969	Apr. 7, 1969	3.18	130
1970	July 28, 1970	3.63	185
1971	Apr. 9, 1971	3.37	155

b Backwater from ice.
c No evidence of flow during year.

109. Wolf Creek near Wolf Point, Mont. (6-1765)

Location.--Lat 48°06', long 105°41', in N½ sec.17, T.27 N., R.47 E., Roosevelt County, 2 miles northwest of Wolf Point.

Drainage area.--251 sq mi.

Records available.--August 1908 to July 1914 and March 1950 to September 1953 (continuous record), 1954, May 1955 to

Gage.--Water-stage recorder re-installed May 6, 1955. Altitude of gage is 2,010 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1909	--	--	Unknown
1910	Mar. 13-15, 1910	3.9	d110
1911	Mar. 19-23, 1911	4.45	d154
1912	Apr. 1, 1912	5.9	d270
1913	--	--	Unknown
1914	--	--	Unknown
1950	Apr. 18, 1950	5.30	188
1951	Apr. 5, 1951	6.06	324
1952	Apr. 7, 1952	9.25	7,050
1953	June 3, 1953	7.29	1,010
1954	Apr. 4 or 5, 1954	12.9	9,780
1956	Mar. 23, 1956	--	a60
1957	July 14, 1957	5.29	a180
1958	Apr. 1, 1958	3.30	a6
1959	June 21, 1959	6.74	a330
1960	Mar. 20, 1960	9.71	Not determined
1961	May 22, 1961	5.97	120
1962	June 15, 1962	7.95	1,440
1963	July 11, 1963	5.60	140
1964	May 5, 1964	5.07	52
1965	July 8, 1965	6.32	a480
1966	July 2, 1966	6.92	950
1967	Mar. 29, 1967	8.13	1,700
1968	July 16, 1968	6.85	420
1969	Apr. 7, 1969	7.30	a1,000
1970	June 13, 1970	7.82	1,400
1971	--	--	Unknown

a About.

d Maximum observed.

110. East Fork Duck Creek near Brockway, Mont. (6-1770.5)

Location.--Lat 47°12', long 105°47', in sec.31, T.17 N., R.47 E., McCone County, at bridge on county road, 8 miles south of Brockway.

Drainage area.--12.4 sq mi.

Records available.--June 1955 to

Gage.--Crest-stage gage installed June 13, 1955. Altitude of gage is 2,660 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	July 12, 1955	1.46	106
1956	Mar. 2, 1956	1.08	60
1957	July 14, 1957	3.64	505
1958	July 21, 1958	.19	8
1959	Mar. 18, 1959	2.47	273
1960	Aug. 16, 1960	1.65	140
1961	May 31, 1961	1.62	134
1962	July 14, 1962	1.97	190
1963	June 6, 1963	4.30	650
1964	July 5, 1964	1.31	93
1965	June 16, 1965	2.33	250
1966	July 1, 1966	2.19	224
1967	March 1967	b.85	a30
1968	Feb. 27, 1968	b.95	a10
1969	Mar. 17, 1969	b2.50	a120
1970	June 12, 1970	.40	12
1971	Mar. 30, 1971	1.59	130

111. Duck Creek near Brockway, Mont. (6-1771)

Location.--Lat 47°15', long 105°49', in SE¼ sec.11, T.17 N., R.46 E., McCone County, at bridge on county road, 5 miles southwest of Brockway.

Drainage area.--54.0 sq mi.

Records available.--1921-22, miscellaneous measurements only. May 1957 to

Gage.--Crest-stage gage installed May 21, 1957. Altitude of gage is 2,580 ft (from topographic map).

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a About.
b Backwater from ice.

111. Duck Creek near Brockway, Mont. (6-1771) Continued

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1957	July 14, 1957	4.00	640
1958	July 3, 1958	1.05	40
1959	Mar. 18, 1959	5.15	1,000
1960	Mar. 20, 1960	3.57	520
1961	June 1, 1961	-.06	a1
1962	June 6, 1962	2.59	270
1963	June 6, 1963	4.79	890
1964	July 5, 1964	1.76	a50
1965	June 16, 1965	2.88	340
1966	July 1, 1966	1.85	130
1967	March 1967	b1.57	a50
1968	Feb. 29, 1968	b1.60	a10
1969	Mar. 19, 1969	b3.04	a300
1970	June 12, 1970	2.44	240
1971	Mar. 30, 1971	2.03	160

112. Redwater Creek at Brockway, Mont. (6-1771.5)

Location.--Lat 47°19', long 105°45', in NW¼ sec.20, T.18 N., R.47 E., McCone County, at bridge on county road, 0.2 mile northwest of Brockway.

Drainage area.--216 sq mi.

Records available.--January 1958 to

Gage.--Crest-stage gage installed Jan. 16, 1958. Altitude of gage is 2,550 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1957	eJuly 14, 1957	5.8	1,220
1958	July 3, 1958	1.86	130
1959	Mar. 18, 1959	5.53	1,130
1960	Mar. 20, 1960	b6.94	a1,000
1961	June 1, 1961	2.26	200
1962	June 6, 1962	5.80	1,220
1963	June 6, 1963	5.45	1,520
1964	July 5, 1964	3.95	790
1965	Apr. 3, 1965	4.56	a800
1966	March 1966	3.26	420
1967	March 1967	2.50	250
1968	Feb. 26, 1968	b1.90	a50
1969	Mar. 19, 1969	2.4	240
1970	June 12, 1970	2.84	330
1971	Apr. 7, 1971	5.84	1.730

a About.
b Backwater from ice.
e Prior to installation of gage.

113. Tusler Creek near Brockway, Mont. (6-1772)

Location.--Lat 47°18', long 105°39', in SE¼ sec.24, T.18 N., R.47 E., McCone County, at bridge on county road, 4 miles east of Brockway.
Drainage area.--90.2 sq mi.
Records available.--October 1956 to
Gage.--Crest-stage gage installed Oct. 12, 1956. Altitude of gage is 2,550 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1957	Feb. 27, 1957	1.66	200
1958	July 21, 1958	-.22	14
1959	Mar. 18, 1959	b2.16	a150
1960	Mar. 20, 1960	1.96	280
1961	Mar. 6, 1961	-.04	18
1962	July 19, 1962	3.36	430
1963	June 6, 1963	2.34	280
1964	July 5, 1964	1.88	215
1965	June 16, 1965	1.15	120
1966	March 1966	1.43	155
1967	March 1967	.73	75
1968	--	--	<10
1969	Mar. 19, 1969	1.75	197
1970	June 12, 1970	.91	93
1971	Apr. 7, 1971	3.32	420

114. Tusler Creek tributary near Brockway, Mont. (6-1772.5)

Location.--Lat 47°18', long 105°41', in NE¼ sec.26, T.18 N., R.47 E., McCone County, at bridge on county road, 4 miles east of Brockway.
Drainage area.--3.17 sq mi.
Records available.--September 1956 to
Gage.--Crest-stage gage installed Sept. 15, 1956. Altitude of gage is 2,590 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1957	July 14, 1957	0.81	61
1958	--	--	(c)
1959	Mar. 18, 1959	.46	37
1960	Aug. 16, 1960	1.10	85
1961	--	--	(c)
1962	--	--	(c)
1963	Feb. 26, 1963	1.49	a30
1964	July 5, 1964	7.80	1,610
1965	April 1965	--	<1
1966	--	--	(c)
1967	--	--	(c)
1968	--	--	(c)
1969	Mar. 18, 1969	3.04	3
1970	March 1970	5.08	41
1971	Mar. 14, 1971	4.83	35

a About.
b Backwater from ice.
c No evidence of flow during year.
e Prior to installation of gage; peak discharge computed from high-water marks along highway embankment at culvert.

115. Redwater Creek tributary near Brockway, Mont. (6-1773)

Location.--Lat 47°21', long 105°41', in NE¼SE¼ sec.2, T.18 N., R.47 E., McCone County, at culvert on State Highway 20, 4 miles northeast of Brockway.
Drainage area.--0.29 sq mi.
Records available.--1954, July 1957 to
Gage.--Crest-stage gage installed Jan. 15, 1958. Altitude of gage is 2,500 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1954	eAug. 18, 1954	7.40	72
1957	eJuly 14, 1957	9.40	83
1958	--	--	(c)
1959	Mar. 18, 1959	b4.35	a20
1960	Mar. 20, 1960	1.17	12
1961	July 29, 1961	1.65	16
1962	June 6, 1962	.62	8
1963	June 3, 1963	.60	8
1964	July 5, 1964	11.12	234
1965	June 16, 1965	.89	4
1966	March 1966	.69	3
1967	March 1967	.35	2
1968	Feb. 26, 1968	.88	4
1969	Mar. 19, 1969	b1.91	2
1970	June 12, 1970	.91	5
1971	--	--	(c)

116. South Fork Dry Ash Creek near Circle, Mont. (6-1773.5)

Location.--Lat 47°18', long 105°35', in NW¼ sec.27, T.18 N., R.48 E., McCone County at bridge on county road, 9¼ miles south of Circle.
Drainage area.--5.74 sq mi.
Records available.--June 1955 to
Gage.--Crest-stage gage installed June 13, 1955. Altitude of gage is 2,670 ft (from topographic map).

a About.
b Backwater from ice.
c No evidence of flow during year.
e Prior to installation of gage; peak discharge computed from highwater marks along highway embankment at culvert.

116. South Fork Dry Ash Creek near Circle, Mont. Continued

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	July 12, 1955	2.18	56
1956	Mar. 1, 1956	1.37	17
1957	Feb. 26, 1957	1.58	52
1958	June 3, 1958	.23	3
1959	Mar. 22, 1959	2.12	79
1960	Aug. 16, 1960	2.40	85
1961	--	--	(c)
1962	July 14, 1962	1.12	22
1963	June 6, 1963	.76	10
1964	July 5, 1964	1.93	58
1965	June 16, 1965	2.08	66
1966	June 4, 1966	1.52	37
1967	March 1967	1.50	36
1968	--	--	(c)
1969	July 3, 1969	.66	8
1970	March 1970	b1.65	a5
1971	Mar. 13, 1971	1.83	53

117. McCune Creek near Circle, Mont. (6-1774)

Location.--Lat 47°21', long 105°35', in NW¼ sec.3, T.18 N., R.48 E., McCone County, near bridge on county road, 5 miles south of Circle.

Drainage area.--29.9 sq mi.

Records available.--June 1955 to

Gage.--Crest-stage gage installed June 13, 1955. Altitude of gage is 2,500 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	July 12, 1955	4.32	128
1956	Mar. 20, 1956	3.31	52
1957	July 14, 1957	4.93	175
1958	June 3, 1958	.98	6
1959	Mar. 22, 1959	--	Unknown
1960	Mar. 20, 1960	5.44	a150
1961	Mar. 6, 1961	1.36	a5
1962	July 19, 1962	7.26	235
1963	June 6, 1963	6.29	a450
1964	July 5, 1964	6.98	a1,000
1965	June 16, 1965	5.28	180
1966	March 10, 1966	4.70	110
1967	March 1967	3.42	90
1968	June 10, 1968	2.38	a10
1969	June 26, 1969	3.55	120
1970	July 14, 1970	2.18	15
1971	Mar. 13, 1971	4.23	500

a About.
c No evidence of flow during year.

118. Cow Creek tributary near Vida, Mont. (6-1777)

Location.--Lat 47°43', long 105°29', in SE¼ sec.36, T.23 N., R.48 E., McCone County, at bridge on State Highway 13, 8.8 miles south of Vida, and 20 miles northeast of Circle.
Drainage area.--1.71 sq mi.
Records available.--May 1963 to
Gage.--Crest-stage gage installed May 18, 1963. Altitude of gage is 2,390 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	June 5, 1963	4.07	750
1964	--	--	(c)
1965	June 15, 1965	.90	20
1966	July 2, 1966	2.30	200
1967	March 1967	1.25	50
1968	Feb. 26, 1968	.85	17
1969	Mar. 21, 1969	1.71	100
1970	Apr. 7, 1970	1.41	62
1971	Mar. 31, 1971	1.30	53

119. Wolf Creek tributary near Vida, Mont. (6-1778)

Location.--Lat 47°55', long 105°30', in SE¼ sec.15, T.25 N., R.48 E., McCone County, at bridge on State Highway 13, 11.1 road miles south of the Missouri bridge near Wolf Point, and 5.5 miles north of Vida.
Drainage area.--0.91 sq mi.
Records available.--July 1962 to
Gage.--Crest-stage gage installed May 18, 1963. Altitude of gage is 2,400 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	July 14, 1962	8.58	a1,500
1963	Aug. 25, 1963	1.83	a70
1964	--	--	(c)
1965	Apr. 13, 1965	3.00	a150
1966	July 4, 1966	5.45	850
1967	Mar. 22, 1967	b1.33	21
1968	Feb. 26, 1968	.20	1
1969	Apr. 7, 1969	1.42	40
1970	June 12, 1970	5.50	870
1971	Mar. 31, 1971	.46	7

a About.
b Backwater from ice.
c No evidence of flow during year.

120. Missouri River tributary No.2 near Brockton, Mont.(6-1812)

Location.--Lat 48°09', long 104°54', in NE¼ sec.29, T.28 N., R.53 E., Roosevelt County, at culverts on U.S. Highway 2, 1.2 miles east of Brockton.

Drainage area.--1.60 sq mi.

Records available.--August 1962 to

Gage.--Crest-stage gage installed May 19, 1963. Altitude of gage is 1,960 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	Aug. 10, 1962	8.08	260
1963	July 24, 1963	8.34	313
1964	Apr. 1, 1964	1.53	53
1965	June 15, 1965	1.88	62
1966	July 4, 1966	1.23	48
1967	March 1967	b2.91	a40
1968	Aug. 15, 1968	.43	30
1969	Apr. 6, 1969	1.30	50
1970	July 23, 1970	1.64	56
1971	Mar. 15, 1971	1.10	44

121. Big Muddy Creek at Plentywood, Mont. (6-1830)

Location.--Lat 48°46', long 104°35', in NW¼NW¼ sec.30, T.35 N., R.55 E., Sheridan County at Plentywood.

Drainage area.--850 sq mi.

Records available.--April 1948 to September 1953 (continuous record), June 1955 to September 1967 (discontinued).

Gage.--Crest-stage gage installed June 10, 1955. Recording gage April 1948 to September 1953. Altitude of gage is 1,980 ft (by barometer).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1948	Apr. 19, 1948	15.64	2,850
1949	Mar. 30, 1949	10.49	1,020
1950	Apr. 18, 1950	12.27	1,620
1951	May 3, 1951	11.38	1,360
1952	Apr. 8, 1952	19.00	7,240
1953	June 30, 1953	19.40	8,000
1954	--	--	Unknown
1955	--	(f)	a210
1956	Mar. 22, 1956	b6.63	a300
1957	July 16, 1957	6.58	413
1958	Mar. 29, 1958	12.92	1,630
1959	June 30, 1959	10.61	945
1960	Mar. 22, 1960	b17.37	a3,500
1961	May 30, 1961	6.03	260
1962	Mar. 27, 1962	11.99	1,250
1963	Mar. 22, 1963	b12.00	a750
1964	May 3, 1964	7.14	390
1965	Apr. 16, 1965	7.98	500
1966	Mar. 14, 1966	9.58	750
1967	March 1967	12.04	1,300

a About.

b Backwater from ice.

f Peak discharge did not reach bottom of gage.

122. Box Elder Creek near Plentywood, Mont. (6-1831)

Location.--Lat 48°50', long 104°30', in sec.34, T.36 N., R.55 E., Sheridan County, at culverts on county road, 4 miles northeast of Plentywood.
Drainage area.--9.40 sq mi.
Records available.--June 1955 to
Gage.--Crest-stage gage installed June 10, 1955. Altitude of gage is 2,200 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1956	March 1956	0.25	0
1957	July 23, 1957	7.24	328
1958	Mar. 30, 1958	1.88	22
1959	June 26, 1959	3.89	126
1960	Mar. 21, 1960	6.24	265
1961	July 30, 1961	1.58	41
1962	Mar. 26, 1962	2.79	65
1963	Sept. 17, 1963	4.06	103
1964	Mar. 31, 1964	5.49	217
1965	Apr. 14, 1965	2.90	72
1966	Mar. 13, 1966	2.98	75
1967	Mar. 22, 1967	b5.82	170
1968	March 1968	2.13	35
1969	Apr. 4, 1969	b6.24	a180
1970	June 13, 1970	1.95	28
1971	Apr. 5, 1971	3.83	93

123. Box Elder Creek at damsite, near Plentywood, Mont. (6-1832)

Location.--Lat 48°48', long 104°33', in NE¼ sec.17, T.35 N., R.55 E., Roosevelt County, at old damsite, 1½ miles north of Plentywood.
Drainage area.--19.9 sq mi.
Records available.--1953, March 1955 to September 1963 (discontinued
Gage.--Crest-stage gage installed June 10, 1955. Altitude of gage is 2,120 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1953	eJune 30, 1953	6.52	6,530
1955	eMar. 29, 1955	2.42	890
1956	--	--	(c)
1957	July 23, 1957	3.56	1,600
1958	Mar. 30, 1958	.75	210
1959	June 26, 1959	1.38	430
1960	Mar. 22, 1960	2.27	820
1961	Mar. 20, 1961	1.26	395
1962	Mar. 26, 1962	1.59	530
1963	Sept. 17, 1963	.81	230

a About.
b Backwater from ice.
c No evidence of flow during year.
e Prior to installation of gage.

124. Spring Creek near Plentywood, Mont. (6-1833)

Location.--Lat 48°49', long 104°27', in SW¼ sec.6, T.35 N., R.55 E., Sheridan County, at culvert on county road, 5 miles northeast of Plentywood.
Drainage area.--7.05 sq mi.
Records available.--June 1955 to
Gage.--Crest-stage gage installed June 10, 1955. Altitude of gage is 2,260 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	July 7, 1955	0.69	5
1956	--	--	(c)
1957	July 23, 1957	2.77	76
1958	Mar. 30, 1958	1.49	25
1959	June 26, 1959	1.30	20
1960	Mar. 21, 1960	5.19	240
1961	July 30, 1961	1.20	17
1962	Mar. 26, 1962	1.32	24
1963	Sept. 17, 1963	a2.7	72
1964	Mar. 31, 1964	b5.45	a40
1965	Apr. 14, 1965	b.67	a10
1966	Mar. 13, 1966	2.33	60
1967	April 1967	1.07	16
1968	March 1968	1.80	40
1969	Apr. 4, 1969	b5.56	a40
1970	June 13, 1970	1.28	23
1971	Apr. 5, 1971	1.00	11

125. Spring Creek at Highway 16, near Plentywood, Mont. (6-1834)

Location.--Lat 48°46', long 104°31', in SE¼ sec.21, T.35 N., R.55 E., Sheridan County, at bridge on State Highway 16, 1½ miles east of Plentywood.
Drainage area.--16.9 sq mi.
Records available.--June 1955 to
Gage.--Crest-stage gage installed June 23, 1955. Altitude of gage is 2,040 ft(from topographic map).

a About.
b Backwater from ice.

125. Spring Creek at Highway 16, near Plentywood, Mont. (6-1834) Continued

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs
1955	--	--	(c)
1956	Apr. 3, 1956	0.74	4
1957	July 23, 1957	3.38	540
1958	Mar. 30, 1958	2.40	230
1959	June 26, 1959	3.70	660
1960	May 24, 1960	3.56	600
1961	Mar. 20, 1961	1.02	10
1962	Mar. 26, 1962	2.85	375
1963	Sept. 17, 1963	3.61	620
1964	May 3, 1964	1.24	26
1965	Apr. 15, 1965	1.18	20
1966	Mar. 13, 1966	b2.77	a60
1967	April 1967	1.64	80
1968	March 1968	b2.01	a40
1969	Apr. 4, 1969	b3.55	a100
1970	June 13, 1970	.81	4
1971	May 31, 1971	1.17	20

126. Big Muddy Creek tributary near Culbertson, Mont. (6-1851)

Location.--Lat 48°12', long 104°42', in center of east edge of sec.11, T.28 N., R.54 E., Roosevelt County, at culverts on county road, 1.9 miles north of U.S. Highway 2, 10 miles northeast of Brockton, and 9 miles northwest of Culbertson.

Drainage area.--7.38 sq mi.

Records available.--May 1963 to

Gage.--Crest-stage gage installed May 19, 1963. Altitude of gage is 1,940 ft(from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	July 10, 1963	9.6	676
1964	June 18, 1964	3.60	85
1965	June 15, 1965	1.00	20
1966	March 1966	.75	10
1967	Mar. 24, 1967	8.8	340
1968	Feb. 29, 1968	1.90	45
1969	Apr. 7, 1969	4.82	115
1970	--	--	(c)
1971	Mar. 16, 1971	2.21	22

a About.
b Backwater from ice.
c No evidence of flow during year.

127. Missouri River tributary No.3 near Culbertson, Mont.(6-1852)

Location.--Lat 48°06', long 104°31', in center sec.8, T.27 N., R.56 E., Richland County, at culvert on county road along the south side of the Missouri River, 2.2 miles west of State Highway, 16, 3 miles south of Culbertson.
Drainage area.--1.29 sq mi.
Records available.--May 1963 to
Gage.--Crest-stage gage installed May 19, 1963. Altitude of gage is 1,950 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	Aug. 25, 1963	3.88	142
1964	--	--	(c)
1965	--	--	<1
1966	July 4, 1966	--	2,570
1967	March 1967	1.44	14
1968	Feb. 29, 1968	.87	3
1969	July 7, 1969	1.52	16
1970	Apr. 7, 1970	1.23	9
1971	June 24, 1971	2.45	47

128. Missouri River tributary No.4 near Bainville, Mont. (6-1853)

Location.--Lat 48°08', long 104°21', in NW¼ sec.34, T.28 N., R.57 E., Roosevelt County, at culvert on U.S. Highway 2, 0.8 miles east of Lannark, 8 miles east of Culbertson.
Drainage area.--11.6 sq mi.
Records available.--May 1963 to
Gage.--Crest-stage gage installed May 19, 1963. Altitude of gage is 2,000 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	July 24, 1963	2.83	323
1964	June 14, 1964	12.02	1,670
1965	Apr. 17, 1965	2.28	250
1966	July 4, 1966	5.67	739
1967	March 1967	3.95	500
1968	Feb. 29, 1968	2.16	230
1969	July 7, 1969	4.54	580
1970	Apr. 7, 1970	1.21	80
1971	June 24, 1971	2.43	270

c No evidence of flow during year.

129. Missouri River tributary No. 5 at Culbertson, Mont. (6-1854)

Location.--Lat 48°10', long 104°31', in SE¼ sec.20, T.28 N., R.56 E., Roosevelt County, at culvert on State Highway 16, 0.7 miles north of U.S. Highway 2, at Culbertson Rodeo Grounds.

Drainage area.--3.67 sq mi.

Records available.--May 1963 to

Gage.--Crest-stage gage installed May 19, 1963. Altitude of gage is 1,970 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	July 24, 1963	6.60	495
1964	June 14, 1964	2.59	128
1965	Apr. 17, 1965	1.01	a30
1966	July 4, 1966	2.14	95
1967	March 1967	b2.52	a90
1968	Feb. 29, 1968	b.98	a10
1969	Apr. 7, 1969	1.02	30
1970	Apr. 7, 1970	1.09	33
1971	Mar. 16, 1971	2.00	85

130. Yellowstone River tributary near Greycliff, Mont. (6-2015.5)

Location.--Lat45°44', long 109°43', in SE¼ sec.23, T.1 S., R.16 E., Sweet Grass County, at culvert on Interstate Highway 90, and U.S. Highway 10, 4 miles southeast of Greycliff.

Drainage area.--2.72 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 5, 1959. Altitude of gage is 3,860 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	--	--	(c)
1961	--	--	(c)
1962	Feb. 8, 1962	0.45	3
1963	June 14, 1963	.55	4
1964	--	--	(c)
1965	Aug. 22, 1965	2.31	48
1966	Mar. 10, 1966	.48	3
1967	June 14, 1967	1.52	32
1968	Feb. 19, 1968	1.22	16
1969	Mar. 17, 1969	2.51	55
1970	May 21, 1970	1.22	16
1971	Feb. 15, 1971	.80	8

a About.

b Backwater from ice.

c No evidence of flow during year.

131. Bridger Creek near Greycliff, Mont. (6-2016)

Location.--Lat 45°41', long 109°43', in NW¼ sec.2, T.2 S., R.16 E., Sweet Grass County, at bridge on county road, 6 miles southeast of Greycliff.

Drainage area.--61.5 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 5, 1959. Altitude of gage is 4,080 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	May 1960	0.62	18
1961	March 1961	-.03	5
1962	May 26, 1962	1.36	67
1963	June 14, 1963	1.46	71
1964	June 9, 1964	--	a80
1965	Aug. 28, 1965	1.08	58
1966	May 5, 1966	1.38	75
1967	June 14, 1967	--	2,680
1968	June 9, 1968	3.81	315
1969	June 9, 1969	5.49	844
1970	May 21, 1970	4.98	650
1971	Apr. 26, 1971	2.57	135

132. Work Creek near Reed Point, Mont. (6-2016.5)

Location.--Lat 45°42', long 109°38', in SE¼ sec.33, T.1 S., R.17 E., Sweet Grass County, at bridge on county road, 4 miles west of Reed Point.

Drainage area.--32.5 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 4, 1959. Altitude of gage is 3,820 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	Sept. 21, 1959	2.3	a100
1960	May 1960	--	a5
1961	--	--	(c)
1962	June 13, 1962	4.08	406
1963	June 14, 1963	1.97	19
1964	--	--	(c)
1965	Apr. 2, 1965	2.05	25
1966	Mar. 10, 1966	2.48	73
1967	June 14, 1967	4.65	720
1968	June 9, 1968	3.64	320
1969	June 9, 1969	3.72	345
1970	May 21, 1970	4.56	670
1971	Feb. 15, 1971	2.54	80

a About.

c No evidence of flow during year.

133. Hump Creek near Reed Point, Mont. (6-2017)

Location.--Lat 45°42', long 109°35', in NE¼ sec.35, T.1 S., R.17 E., Sweet Grass County, at bridge on Interstate Highway 90 and U.S. Highway 10, 2 miles west of Reed Point.
Drainage area.--7.61 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 4, 1959. Altitude of gage is 3,780 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 19, 1960	0.50	15
1961	--	--	(c)
1962	June 13, 1962	2.96	307
1963	May 12, 1963	.29	8
1964	--	(f)	<1
1965	Apr. 2, 1965	.2	5
1966	Mar. 10, 1966	.76	30
1967	June 27, 1967	1.93	130
1968	June 9, 1968	1.62	87
1969	Mar. 17, 1969	.97	28
1970	May 21,1970	1.16	40
1971	Feb. 15, 1971	.76	18

134. Berry Creek near Columbus, Mont. (6-2017.5)

Location.--Lat 45°42', long 109°23', in NW¼sec.33, T.1 S., R.19 E., Stillwater County, at bridge on county road, 8 miles northwest of Columbus.
Drainage area.--23.5 sq mi.
Records available.--May 1959 to
Gage.--Crest-stage gage installed May 4, 1959. Altitude of gage is 3,700 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	[e]July 7, 1958	4.54	620
1959	[e]Mar. 1, 1959	3.86	283
1960	June 15, 1960	.02	0
1961	May 15, 1961	.10	0
1962	July 31, 1962	6.62	[a]2,000
1963	June 14, 1963	2.60	55
1964	Apr. 24, 1964	.53	.5
1965	Aug. 22, 1965	.52	.5
1966	Mar. 10, 1966	.31	0
1967	May 1967	.66	.8
1968	June 9, 1968	.83	10
1969	Mar. 17, 1969	2.80	70
1970	May 21, 1970	3.30	135
1971	Feb. 15, 1971	1.70	11

a About.
c No evidence of flow during year.
e Prior to installation of gage.
f Peak discharge did not reach bottom of gage.

135. Allen Creek near Park City, Mont. (6-2051)

Location.--Lat 45°36', long 109°03', in NE¼ sec.7, T.3 S., R.22 E., Stillwater County, about 200 ft upstream from Cove Ditch flume, 7 miles west of Park City.
Drainage area.--7.17 sq mi.
Records available.--June 1961 to
Gage.--Crest-stage gage installed June 15, 1961. Altitude of gage is 3,470 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1961	[e]May 24, 1961	5.68	1,580
1962	Feb. 1, 1962	1.30	120
1963	June 3, 1963	.15	10
1964	--	--	(c)
1965	Apr. 2, 1965	.35	30
1966	June 19, 1966	2.40	260
1967	June 17, 1967	2.00	196
1968	Feb. 19, 1968	1.05	90
1969	June 20, 1969	1.45	135
1970	May 21, 1970	1.24	110
1971	Feb. 28, 1971	1.75	75

136. Wets Creek near Billings, Mont. (6-2162)

Location.--Lat 45°38', long 108°24', in SW¼ sec.28, T.2 S., R.27 E., Yellowstone County at bridge on county road, 19 miles southeast of Billings.
Drainage area.--8.14 sq mi.
Records available.--May 1955 to
Gage.--Crest-stage gage installed May 26, 1955. Altitude of gage is 3,550 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	Aug. 25, 1955	--	[a]5
1956	Feb. 22, 1956	3.23	65
1957	June 8, 1957	1.66	105
1958	July 2, 1958	.50	40
1959	June 4, 1959	1.14	70
1960	May 2, 1960	2.50	160
1961	May 21, 1961	.40	35
1962	Mar. 9, 1962	1.92	118
1963	June 8, 1963	2.7	170
1964	Apr. 26, 1964	6.9	565
1965	June 25, 1965	2.20	135
1966	Mar. 9, 1966	4.18	292
1967	June 6, 1967	2.46	155
1968	June 9, 1968	1.43	90
1969	June 26, 1969	3.10	200
1970	June 12, 1970	2.24	140
1971	June 10, 1971	2.23	138

[a] About.
[e] Prior to installation of gage.
[c] No evidence of flow during year.

137. West Buckeye Creek near Billings, Mont. (6-2163)

Location.--Lat 45°39', long 108°24', in NE¼ sec.21, T.2 S., R.27 E., Yellowstone County, 2000 ft upstream from bridge on county road, 17 miles southeast of Billings.

Drainage area.--1.54 sq mi.

Records available.--May 1955 to

Gage.--Crest-stage gage installed May 26, 1955. Altitude of gage is 3,500 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	Aug. 25, 1955	1.54	17
1956	May 29, 1956	2.24	92
1957	May 12, 1957	1.81	185
1958	July 2, 1958	1.31	83
1959	June 4, 1959	.68	15
1960	May 2, 1960	1.16	60
1961	May 24, 1961	.80	22
1962	Mar. 9, 1962	1.03	44
1963	June 20, 1963	1.37	a30
1964	Apr. 26, 1964	4.48	215
1965	Apr. 2, 1965	3.38	135
1966	Mar. 10, 1966	3.8	225
1967	June 6, 1967	2.69	149
1968	June 9, 1968	2.62	142
1969	July 18, 1969	5.05	924
1970	June 12, 1970	1.10	47
1971	June 10, 1971	2.65	142

138. Pryor Creek near Billings, Mont. (6-2165)

Location.--Lat 45°43', long 108°19', in sec.30, T.1 S., R.28 E., Yellowstone County, at bridge on Interstate Highway 90, and U.S. Highway 87, 11 miles southeast of Billings.

Drainage area.--435 sq mi.

Records available.--September 1911 to September 1924 and March 1938 to December 1953 (continuous record), May 1955 to

Gage.--Crest-stage gage installed May 26, 1955. Wire-weight gage September 1911 to September 1924 and March 1938 to December 1953. Altitude of gage is 3,310 ft (by barometer).

a About.

138. Pryor Creek near Billings, Mont. (6-2165) Continued

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1912	July 3, 1912	11.2	d 930
1913	aMar. 20, 1913	12.54	1,130
1914	June 26, 1914	9.3	d 595
1915	June 12, 1915	9.7	d 645
1916	May 22, 1916	7.01	d 333
1917	June 5, 1917	10.44	d 750
1918	Mar. 27, 1918	8.35	d 480
1919	Aug. 2, 1919	7.30	d 344
1920	May 12, 1920	10.37	d 740
1921	June 9, 1921	9.60	d 635
1922	May 11, 1922	7.65	d 400
1923	Sept. 30, 1923	9.25	d 590
1924	Apr. 4, 1924	10.04	d 705
1938	June 24, 1938	7.9	1,230
1939	June 18, 1939	3.35	d 332
1940	Apr. 16, 1940	2.83	d 208
1941	Sept. 8, 1941	4.68	d 607
1942	May 14, 1942	9.2	1,500
1943	Mar. 26, 1943	--	h1,000
1944	June 19, 1944	7.66	d1,150
1945	June 11, 1945	4.80	625
1946	June 12, 1946	3.98	d 489
1947	Mar. 19, 1947	--	h 890
1948	Apr. 20, 1948	3.95	d 464
1949	June 3, 1949	2.22	d 133
1950	Feb. 25, 1950	--	h 230
1951	Mar. 22, 1951	b9.82	d 761
1952	May 22, 1952	4.25	d 424
1953	June 7, 1953	2.43	d 145
1955	June 16, 1955	3.44	286
1956	Feb. 22, 1956	b9.12	a 800
1957	June 8, 1957	6.14	825
1958	Feb. 20, 1958	3.26	262
1959	Mar. 2, 1959	4.65	508
1960	May 2, 1960	9.9	1,700
1961	Sept. 20, 1961	3.44	288
1962	Mar. 9, 1962	6.20	840
1963	Apr. 28, 1963	8.40	1,330
1964	Apr. 26, 1964	15.04	3,720
1965	Apr. 2, 1965	7.09	1,040
1966	Mar. 11, 1966	8.84	1,440
1967	June 14, 1967	4.72	520
1968	June 10, 1968	8.10	1,270
1969	June 26, 1969	9.48	1,600
1970	May 30, 1970	6.61	910
1971	Feb. 14, 1971	9.39	a750

a About.
b Backwater from ice or beaver dam.
d Maximum observed.
h Maximum daily.

139. Crooked Creek tributary near Shepherd, Mont. (6-2177)

Location.--Lat 46°04', long 108°30', in SW¼ sec.21, T.4 N., R.26 E., Yellowstone County, at bridge on county road, 1.7 miles west of U.S. Highway 87 between Billings and Roundup, 12 miles northwest of Shepherd, and 20 miles north of Billings.

Drainage area.--7.21 sq mi.

Records available.--June 1962 to

Gage.--Crest-stage gage installed Apr. 22, 1963. Altitude of gage is 3,400 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eJune 4, 1962	13.68	5,120
1963	June 21, 1963	5.26	1,110
1964	June 18, 1964	1.76	a150
1965	June 25, 1965	--	47
1966	Mar. 8, 1966	3.54	a600
1967	June 11, 1967	7.85	1,980
1968	Sept. 22, 1968	1.46	a150
1969	March 1969	2.20	250
1970	May 30, 1970	1.86	220
1971	Feb. 12, 1971	.88	85

140. Yellowstone River tributary No. 2 near Pompeys Pillar, Mont. (6-2178)

Location.--Lat 46°02', long 107°48', in NW¼ sec.6, T.3 N., R.32 E., Yellowstone County, at culvert on Interstate Highway 94 and U.S. Highways 10 and 312, 0.7 mile west of Spring Creek, 8 miles east of Pompeys Pillar, and 13 miles west of Custer.

Drainage area.--0.70 sq mi.

Records available.--May 1962 to

Gage.--Crest-stage gage installed Apr. 28, 1963. Altitude of gage is 2,850 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	e May 13, 1962	a1.5	Not determined
1963	--	--	(c)
1964	--	--	(c)
1965	--	--	(c)
1966	Mar. 14, 1966	.20	Not determined
1967	--	--	(c)
1968	--	--	
1969	Mar. 18, 1969	.15	a2$^{.1}$
1970	Apr. 28, 1970	--	
1971	Feb. 12, 1971	.76	11$^{.1}$

a About.
c No evidence of flow during year.
e Prior to installation of gage.

141. Andresen Coulee near Custer, Mont. (6-2944)

Location.--Lat 46°04', long 107°33', in center W½ sec.30, T.4 N., R.34 E., Yellowstone County, at culvert on State Highway 47, 4½ miles south of Custer, and 5.3 road miles south of U.S. Highways 10 and 312.
Drainage area.--2.35 sq mi.
Records available.--April 1963 to
Gage.--Crest-stage gage installed Apr. 27, 1963. Altitude of gage is 2,820 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	June 4, 1963	1.57	40
1964	June 18, 1964	1.06	20
1965	Aug. 23, 1965	.87	13
1966	Mar. 9, 1966	--	a5
1967	February 1967	.30	2
1968	June 9, 1968	.90	14
1969	Mar. 18, 1969	1.06	20
1970	Apr. 6, 1970	.05	1
1971	Feb. 12, 1971	b1.72	a5

142. Unknown Creek near Bighorn, Mont. (6-2948)

Location.--Lat 46°12', long 107°25', in SE¼ sec.12, T.5 N., R.34 E., Treasure County, at bridge on Interstate Highway 94 and U.S. Highways 10 and 312, 4 miles east of Bighorn.
Drainage area.--14.6 sq mi.
Records available.--May 1962 to
Gage.--Crest-stage gage installed Apr. 27, 1963. Altitude of gage is 2,690 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eMay 13, 1962	3.98	a800
1963	June 4, 1963	3.60	657
1964	June 18, 1964	2.73	a370
1965	July 19, 1965	3.48	610
1966	Mar. 9, 1966	b2.33	a50
1967	March 1967	b2.29	a100
1968	June 9, 1968	1.69	157
1969	June 26, 1969	2.44	300
1970	Apr. 28, 1970	.49	20
1971	July 15, 1971	.88	55

a About.
b Backwater from ice.
e Prior to installation of gage.

143. Buckingham Coulee near Myers, Mont. (6-2948.5)

Location.--Lat 46°14', long 107°17', in SW¼ sec.25, T.6 N., R.35 E., Treasure County, at bridge on Interstate Highway 94 and U.S. Highways 10 and 312, 3 miles southeast of Myers, and 5 miles southwest of Hysham.
Drainage area.--2.63 sq mi.
Records available.--May 1962 to
Gage.--Crest-stage gage installed Apr. 27, 1963. Altitude of gage is 2,820 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eMay 13, 1962	1.10	20
1963	June 4, 1963	.50	6
1964	June 18, 1964	2.20	122
1965	July 9, 1965	3.84	398
1966	Mar. 9, 1966	b1.84	a40
1967	June 12, 1967	.78	11
1968	June 13, 1968	1.08	20
1969	Mar. 18, 1969	1.62	50
1970	--	--	(c)
1971	July 2, 1971	1.91	84

144. Middle Fork Froze to Death Creek tributary near Ingomar, Mont. (6-2949)

Location.--Lat 46°35', long 107°24', in NE¼ sec.35, T.10 N., R.34 E., Rosebud County, at culverts on U.S. Highway 12, 1.1 miles west of Ingomar.
Drainage area.--1.36 sq mi.
Records available.--July 1962 to
Gage.--Crest-stage gage installed May 16, 1963. Altitude of gage is 2,990 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eJuly 16, 1962	9.08	463
1963	June 21, 1963	1.30	44
1964	June 18, 1964	1.95	65
1965	July 10, 1965	5.44	300
1966	July 15, 1966	1.55	52
1967	June 18, 1967	1.89	67
1968	June 9, 1968	1.57	54
1969	July 7, 1969	2.40	90
1970	Aug. 6, 1970	3.25	132
1971	May 31. 1971	1.23	45

a About.
b Backwater from ice.
c No evidence of flow during year.
e Prior to installation of gage.

145. Yellowstone River tributary No. 3 near Forsyth, Mont. (6-2950.2)

Location.--Lat 46°18', long 106°40', in NW¼ sec.12, T.6 N., R.40 E., Rosebud County, at bridge on county road, 2.4 road miles northeast of U.S. Highway 12, and 2 miles north of Forsyth.
Drainage area.--4.38 sq mi.
Records available.--June 1962 to
Gage.--Crest-stage gage installed Apr. 27, 1963. Altitude of gage is 2,550 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eJune 15, 1962	4.84	406
1963	June 19, 1963	1.30	20
1964	Aug. 29, 1964	1.67	35
1965	July 12, 1965	6.64	938
1966	June 4, 1966	6.20	790
1967	March 1967	2.71	105
1968	March 1968	b4.23	a100
1969	Mar. 18, 1969	b3.50	a100
1970	June 12, 1970	1.85	45
1971	Aug. 30, 1971	6.55	910

146. Little Porcupine Creek near Forsyth, Mont. (6-2950.5)

Location.--Lat 46°18', long 106°34', in NE¼ sec.3, T.6 N., R.41 E., Rosebud County, at bridge on county road, 6 miles northeast of Forsyth.
Drainage area.--614 sq mi.
Records available.--May 1958 to
Gage.--Crest-stage gage installed May 9, 1958. Altitude of gage is 2,480 ft (from topographic map).
Cooperation.--Montana State Water Conservation Board.
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	June 3, 1958	4.9	1,480
1959	Mar. 20, 1959	7.08	2,650
1960	Mar. 20, 1960	7.17	2,700
1961	Sept. 20, 1961	8.14	3,320
1962	June 15, 1962	4.53	1,310
1963	June 3, 1963	5.98	2,030
1964	Apr. 27, 1964	2.75	680
1965	Apr. 1, 1965	9.00	3,750
1966	July 2, 1966	4.57	1,350
1967	June 12, 1967	5.16	1,600
1968	Feb. 29, 1968	4.03	1,100
1969	Mar. 21, 1969	b7.66	a1,000
1970	June 12, 1970	(f)	<500
1971	Apr. 10, 1971	2.45	550

a About.
b Backwater from ice.
e Prior to installation of gage.
f Peak discharge did not reach bottom of gage.

147. Rosebud Creek near Kirby, Mont. (6-2951)

Location.--Lat 45°14', long 106°57', in NE¼ sec.16, T.7 S., R.39 E., Big Horn County, at culvert on private road, 7 miles south of Kirby.

Drainage area.--34.2 sq mi.

Records available.--April 1959 to

Gage.--Crest-stage gage installed Apr. 15, 1959. Altitude of gage is 4,180 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 19, 1960	1.78	55
1961	--	--	(c)
1962	June 16, 1962	1.45	44
1963	Apr. 28, 1963	2.67	85
1964	Apr. 26, 1964	2.24	60
1965	Apr. 1, 1965	b4.78	a250
1966	June 22, 1966	2.50	78
1967	June 12, 1967	5.20	287
1968	June 9, 1968	5.72	540
1969	June 26, 1969	4.72	195
1970	May 7, 1970	5.00	240
1971	Apr. 25, 1971	4.51	165

148. Rosebud Creek tributary near Busby, Mont. (6-2951.3)

Location.--Lat 45°35', long 106°52', in NE¼ sec.13, T.3 S., R.39 E., Big Horn County at bridge on U.S. Highway 212, 1.1 miles east of Two Moon Creek, 6 miles northeast of Busby.

Drainage area.--1.14 sq mi.

Records available.--April 1963 to

Gage.--Crest-stage gage installed Apr. 23, 1963. Altitude of gage is 3,310 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	--	--	(c)
1964	June 18, 1964	1.31	10
1965	Aug. 21, 1965	1.23	8
1966	Mar. 11, 1966	b.81	a1
1967	March 1967	.99	6
1968	February 1968	b1.17	a3
1969	Mar. 19, 1969	b1.61	9
1970	July 22, 1970	.66	3
1971	Apr. 25, 1971	1.16	8

a About.
b Backwater from ice.
c No evidence of flow during year.

149. Ridgewalker Creek near Busby, Mont. (6-2951.5)

Location.--Lat 45°36', long 106°49', in NE¼ sec.8, T.3 S., R.40 E., Big Horn County, at bridge on State Highway 8, 8 miles east of Busby.

Drainage area.--2.24 sq mi.

Records available.--April 1959 to September 1962 (discontinued)

Gage.--Crest-stage gage installed Apr. 15, 1959. Altitude of gage is 3,300 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	March 1959	--	< 5
1960	Mar. 20, 1960	0.83	Unknown
1961	July 20, 1961	.40	Unknown
1962	July 27, 1962	1.40	Unknown

150. Whitedirt Creek near Lame Deer, Mont. (6-2952)

Location.--Lat 45°36', long 106°44', in NE¼ sec.2, T.3 S., R.40 E., Big Horn County, at bridge on county road, 4½ miles west of Lame Deer.

Drainage area.--1.58 sq mi.

Records available.--April 1959 to

Gage.--Crest-stage gage installed Apr. 15, 1959. Altitude of gage is 3,290 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	March 1959	--	[a]5
1960	Mar. 20, 1960	0.59	3
1961	Sept. 10, 1961	.32	2
1962	February 1962	.53	3
1963	June 3, 1963	1.38	31
1964	June 8, 1964	1.43	33
1965	July 1, 1965	.86	8
1966	Sept. 12, 1966	1.37	30
1967	June 12, 1967	1.3	19
1968	June 13, 1968	1.68	45
1969	Mar. 19, 1969	[b]1.36	[a]4
1970	June 12, 1970	.50	1
1971	Mar. 25, 1971	1.24	23

[a] About.

[b] Backwater from ice.

151. Rosebud Creek near Forsyth, Mont. (6-2960)

Location.--Lat 46°11'50", long 106°28'25", in SW¼ sec.9, T.5 N., R.42 E., Rosebud County, 10 miles southeast of Forsyth.

Drainage area.--1,260 sq mi.

Records available.--May 1947 to December 1953 (continuous record), July 1955 to September 1967, 1969 (discontinued)

Gage.--Water-Stage recorder re-installed July 15, 1955. Altitude of gage is 2,540 ft (by barometer).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1948	July 21, 1948	8.41	382
1949	Mar. 8, 1949	8.96	418
1950	June 9, 1950	7.90	250
1951	Sept. 1, 1951	8.42	280
1952	Mar. 29, 1952	7.81	269
1953	May 30, 1953	10.27	d596
1954	--	--	Unknown
1955	--	--	50
1956	March 1956	8.78	a350
1957	June 17, 1957	8.78	342
1958	March 1958	--	Not determined
1959	Mar. 3, 1959	--	a570
1960	March 1960	--	Unknown
1961	Sept. 10, 1961	9.58	435
1962	June 7, 1962	9.16	378
1963	June 16, 1963	6.58	182
1964	June 19, 1964	9.49	420
1965	Apr. 1, 1965	10.42	a600
1966	June 4, 1966	7.07	215
1967	June 19, 1967	7.79	265
1969	Mar. 19, 1969	11.66	a3,000

a About.
d Maximum observed.

152. Snell Creek near Hathaway, Mont. (6-2961)

Location.--Lat 46°18', long 106°09', in NW¼ sec.7, T.6 N., R.45 E., Rosebud County, at bridge on old U.S. Highways 10 and 12, 2½ miles northeast of Hathaway, and about 3 miles southwest of Cottonwood Creek.

Drainage area.--10.5 sq mi.

Records available.--April 1963 to

Gage.--Crest-stage gage installed Apr. 26, 1963. Altitude of gage is 2,550 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	June 3, 1963	1.69	a170
1964	Aug. 29, 1964	.30	1
1965	June 14, 1965	2.20	a340
1966	June 4, 1966	2.35	a380
1967	June 7, 1967	1.3	85
1968	Feb. 26, 1968	1.05	45
1969	Mar. 18, 1969	2.33	375
1970	July 14, 1970	1.37	96
1971	Mar. 25, 1971	b1.95	a70

153. Spring Creek near Decker, Mont. (6-3069)

Location.--Lat 45°05', long 106°50', in NW¼ sec.33, T.8 S., R.40 E., Big Horn County, at bridge on county road, 5 miles north of Decker.

Drainage area.--36.3 sq mi.

Records available.--May 1958 to

Gage.--Crest-stage gage installed May 9, 1958. Altitude of gage is 3,500 ft (from topographic map).

Cooperation.--Montana State Water Conservation Board.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	June 7, 1958	3.4	184
1959	Mar. 17, 1959	1.19	45
1960	Mar. 19, 1960	1.31	49
1961	--	--	(c)
1962	June 16, 1962	6.59	a900
1963	June 15, 1963	1.07	40
1964	Apr. 22, 1964	.05	15
1965	Aug. 21, 1965	2.61	362
1966	Sept. 26, 1966	.11	a15
1967	June 12, 1967	2.81	390
1968	June 9, 1968	.72	130
1969	Mar. 18, 1969	1.82	250
1970	May 14, 1970	1.35	195
1971	Feb. 14, 1971	6.50	1400

a About.
b Backwater from ice.
c No evidence of flow during year.

154. Leaf Rock Creek near Kirby, Mont. (6-3069.5)

Location.--Lat 45°11', long 106°55', in center sec.35, T.7 S., R.39 E., Big Horn County, at culvert on county road, 10 miles south of Kirby.
Drainage area.--6.04 sq mi.
Records available.--April 1959 to
Gage.--Crest-stage gage installed Apr. 15, 1959. Altitude of gage is 3,950 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	eJune 7, 1958	6.77	222
1959	--	--	Unknown
1960	Mar. 19, 1960	5.03	168
1961	--	--	(c)
1962	June 16, 1962	6.37	216
1963	June 15, 1963	6.77	222
1964	Apr. 6, 1964	1.17	30
1965	Apr. 1, 1965	1.62	45
1966	July 12, 1966	3.42	123
1967	June 7, 1967	.55	13
1968	March 1968	--	<.5
1969	July 15, 1969	5.53	182
1970	May 4, 1970	1.11	28
1971	Feb. 14, 1971	1.49	40

155. Spring Creek near Ashland, Mont. (6-3076.4)

Location.--Lat 45°33', long 106°17', in NW¼ sec.27, T.3 S., R.44 E., Rosebud County, at culvert on county road along east side of Tongue River, 3.3 road miles south of U.S. Highway 212, 3 miles south of Ashland.
Drainage area.--1.48 sq mi.
Records available.--June 1962 to
Gage.--Crest-stage gage installed Apr. 24, 1963. Altitude of gage is 2,980 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eJune 16, 1962	4.12	110
1963	July 5, 1963	6.90	148
1964	June 18, 1964	b1.60	a30
1965	July 12, 1965	6.8	215
1966	June 22, 1966	2.98	80
1967	June 12, 1967	3.34	94
1968	June 9, 1968	2.58	64
1969	June 19, 1969	14.52	2,080
1970	June 12, 1970	6.06	138
1971	Aug. 30, 1971	4.53	117

a About.
b Backwater from ice or debris.
c No evidence of flow during year.
e Prior to installation of gage.

156. Walking Horse Creek near Ashland, Mont. (6-3076.6)

Location.--Lat 45°36', long 106°17', in NW¼ sec.3, T.3 S., R.44 E., Rosebud County, at culvert on county road along west side of Tongue River, 1.3 road miles north of U.S. Highway 212, and 1½ miles northwest of Ashland.
Drainage area.--2.79 sq mi.
Records available.--April 1963 to
Gage.--Crest-stage gage installed Apr. 24, 1963. Altitude of gage is 2,950 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	--	--	(c)
1964	--	--	(c)
1965	July 1, 1965	0.50	5
1966	--	--	(c)
1967	June 12, 1967	.28	1
1968	February 1968	1.75	58
1969	Mar. 19, 1969	1.52	a40
1970	--	--	(c)
1971	Feb. 14, 1971	1.20	24

157. Stebbins Creek near Ashland, Mont. (6-3077.6)

Location.--Lat 45°37', long 106°25', in center of sec. 34, T.2 S., R.43 E., Rosebud County, at culvert on U.S. Highway 212, 7.5 road miles west of Ashland.
Drainage area.--5.41 sq mi.
Records available.--April 1963 to
Gage.--Crest-stage gage installed Apr. 23, 1963. Altitude of gage is 3,400 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	Apr. 4, 1963	0.1	<0.5
1964	Apr. 6, 1964	.20	1
1965	Aug. 23, 1965	1.59	16
1966	Mar. 11, 1966	b1.85	a2
1967	May 1967	--	<1
1968	Aug. 23, 1968	2.18	39
1969	Mar. 19, 1969	b1.90	25 (revised)
1970	June 12, 1970	.56	a2
1971	Feb. 14, 1971	b2.40	a10

a About.
b Backwater from ice.
c No evidence of flow during year.

158. Stebbins Creek at mouth, near Ashland, Mont. (6-3077.8)

Location.--Lat 45°38', long 106°18', in NW¼ sec.27, T.2 S., R.44 E., Rosebud County, at bridge on county road along west side of Tongue River, 3.6 road miles north of U.S. Highway 212, 3½ miles northwest of Ashland.

Drainage area.--20.8 sq mi.

Records available.--April 1963 to

Gage.--Crest-stage gage installed Apr. 24, 1963. Altitude of gage is 2,950 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	June 15, 1963	2.44	75
1964	June 18, 1964	3.40	210
1965	Aug. 23, 1965	3.56	248
1966	Mar. 12, 1966	[b]1.85	[a]15
1967	July 7, 1967	2.44	75
1968	Aug. 23, 1968	2.80	110
1969	Mar. 19, 1969	4.45	570
1970	May 8, 1970	2.20	50
1971	Feb. 17, 1971	1.94	30

159. Basin Creek tributary near Volborg, Mont. (6-3082)

Location.--Lat 45°53', long 105°40', in NW¼ sec.31, T.2 N., R.49 E., Custer County, at culvert on county road, 3½ miles north of Volborg.

Drainage area.--0.14 sq mi.

Records available.--July 1955 to

Gage.--Crest-stage gage installed July 23, 1955. Altitude of gage is 2,900 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	July 29, 1955	0.24	20
1956	--	--	(c)
1957	--	--	(c)
1958	July 2, 1958	6.96	390
1959	March 1959	--	[a]2
1960	Mar. 21, 1960	.97	12
1961	--	--	(c)
1962	June 17, 1962	2.76	36
1963	June 22, 1963	9.38	94
1964	June 18, 1964	1.07	14
1965	Apr. 1, 1965	1.41	18
1966	July 29, 1966	3.11	41
1967	June 14, 1967	8.10	85
1968	June 20, 1968	1.93	24
1969	May 21, 1969	1.06	13
1970	March 1970	1.15	14
1971	June 16, 1971	2.37	29

[a] About.
[b] Backwater from ice.
c No evidence of flow during year.

160. Basin Creek near Volborg, Mont. (6-3083)

Location.--Lat 45°53', long 105°39', in NW¼ sec.32, T.2 N., R.49 E., Custer County, at bridge on U.S. Highway 212, 4 miles north of Volborg.
Drainage area.--10.9 aq mi.
Records available.--July 1955 to
Gage.--Crest-stage gage installed July 23, 1955. Altitude of gage is 2,850 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	July 29, 1955	1.1	20
1956	Aug. 27, 1956	5.76	953
1957	Apr. 24, 1957	3.45	300
1958	July 2, 1958	5.79	965
1959	Mar. 11, 1959	1.87	75
1960	Mar. 21, 1960	5.26	770
1961	Sept. 10, 1961	1.04	18
1962	Feb. 11, 1962	3.18	250
1963	June 22, 1963	5.69	920
1964	June 18, 1964	2.48	145
1965	Apr. 1, 1965	3.93	400
1966	July 29, 1966	2.32	125
1967	June 14, 1967	6.06	a200
1968	June 20, 1968	2.28	120
1969	May 21, 1969	2.03	90
1970	June 13, 1970	1.60	20
1971	June 16, 1971	5.86	990

161. North Fork Sunday Creek tributary at Rock Springs, Mont. (6-3090.2)

Location.--Lat 46°49', long 106°15', in SE¼ sec.1, T.12 N., R.43 E., Rosebud County, at culvert on State Highway 22, 0.4 mile northwest of Rock Springs.
Drainage area.--1.19 sq mi.
Records available.--May 1963 to
Gage.--Crest-stage gage installed May 17, 1963. Altitude of gage is 2,970 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	--	--	(c)
1964	June 18, 1964	0.38	3
1965	July 11, 1965	1.76	23
1966	Mar. 13, 1966	2.74	38
1967	Mar. 23, 1967	b1.76	a5
1968	March 1968	b.41	a3
1969	Mar. 19, 1969	b3.81	a9
1970	April 6, 1970	b1.04	a9
1971	Mar. 31, 1971	b2.37	a10

a About.
b Backwater from ice.
c No evidence of flow during year.
j Backwater from Pumpkin Creek.

162. Dry House Creek near Angela, Mont. (6-3090.4)

Location.--Lat 46°41', long 106°10', in NE¼ sec.27, T.11 N., R.44 E., Rosebud County, near bridge on State Highway 22, 3.2 miles south of Angela.

Drainage area.--35.6 sq mi.

Records available.--May 1963 to

Gage.--Crest-stage gage installed May 17, 1963. Altitude of gage is 2,760 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	June 4, 1963	3.60	380
1964	June 18, 1964	3.18	280
1965	Apr. 1, 1965	4.13	500
1966	Mar. 19, 1966	b2.08	a10
1967	June 13, 1967	6.65	1,500
1968	March 1968	b2.19	a15
1969	Apr. 26, 1969	b2.27	a100
1970	June 12, 1970	1.77	70
1971	Mar. 31, 1971	4.18	530

163. North Fork Sunday Creek tributary No. 2 near Angela, Mont. (6-3090.6)

Location.--Lat 46°34', long 106°04', in NE¼ sec.4, T.9 N., R.45 E., Custer County, at culvert on State Highway 22, 14.1 road miles northwest of Yellowstone River bridge at Miles City, 15 miles northwest of Miles City, and 13 miles southeast of Angela.

Drainage area.--0.34 sq mi.

Records available.--June 1962 to

Gage.--Crest-stage gage installed May 17, 1963. Altitude of gage is 2,680 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eJune 1, 1962	2.42	45
1963	June 3, 1963	5.20	158
1964	June 18, 1964	1.47	19
1965	July 11, 1965	4.89	144
1966	Mar. 19, 1966	4.56	130
1967	June 13, 1967	2.77	56
1968	June 9, 1968	1.76	26
1969	July 7, 1969	7.94	320
1970	July 17, 1970	1.75	26
1971	Mar. 31, 1971	2.00	32

a About.
b Backwater from ice.
e Prior to installation of gage.

164. Deep Creek near Kinsey, Mont. (6-3090.8)

Location.--Lat 46°33', long 105°38', in SW¼ sec.12, T.9 N., R.48 E., Custer County, at culvert on Interstate Highway 94 and U.S. Highway 10, 3.1 miles southwest of Shirley railroad station, 2 miles southeast of Kinsey, and 13 miles northeast of Miles City.

Drainage area.--11.1 sq mi.

Records available.--July 1962 to

Gage.--Crest-stage gage installed May 16, 1963. Altitude of gage is 2,320 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	[e]July 14,1962	7.80	828
1963	June 5, 1963	16.77	2,420
1964	Aug. 29, 1964	13.83	1,830
1965	July 11, 1965	10.79	1,300
1966	June 3, 1966	3.61	260
1967	June 12, 1967	3.93	300
1968	June 9, 1968	6.90	700
1969	Apr. 26, 1969	5.91	550
1970	July 14, 1970	5.89	550
1971	June 9, 1971	3.02	200

165. Meadow Creek near Locate, Mont. (6-3090.9)

Location.--Lat 46°22', long 105°30', in center of N½ sec.17, T.7 N., R.50 E., Custer County, at wooden culvert on State Secondary 333 between U.S. Highway 12 and Mizpah, 3.2 road miles southeast of U.S. Highway 12, and 10 miles southwest of Locate.

Drainage area.--6.67 sq mi.

Records available.--July 1962 to

Gage.--Crest-stage gage installed Apr. 24, 1963. Altitude of gage is 3,040 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	[e]July 14, 1962	8.6	1,400
1963	June 21, 1963	.31	1
1964	Aug. 29, 1964	1.60	18
1965	Apr. 1, 1965	2.96	60
1966	Mar. 14, 1966	.80	5
1967	June 12, 1967	1.77	19
1968	May 13, 1968	3.63	90
1969	Mar. 27, 1969	1.04	[a]7
1970	May 8, 1970	1.84	20
1971	Mar. 31, 1971	3.22	70

[a] About.
[e] Prior to installation of gage.

166. Sand Creek near Broadus, Mont. (6-3247)

Location.--Lat 45°26', long 105°26', in SE¼ sec.5, T.5 S., R.51 E., Powder River County, at culverts on Moorehead road, 1.8 miles southwest of Broadus.

Drainage area.--10.6 sq mi.

Records available.--July 1955 to

Gage.--Crest-stage gage installed July 22, 1955. Altitude of gage is 3,090 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	--	--	(c)
1956	Mar. 16, 1956	1.75	19
1957	Aug. 28, 1957	1.55	15
1958	June 7, 1958	3.95	93
1959	Mar. 18, 1959	4.78	252
1960	Mar. 20, 1960	b4.79	a150
1961	--	--	(c)
1962	June 11, 1962	2.85	50
1963	Feb. 5, 1963	2.00	23
1964	June 8, 1964	1.58	13
1965	Apr. 1, 1965	2.96	53
1966	July 29, 1966	1.27	7
1967	June 14, 1967	1.50	12
1968	Feb. 29, 1968	b1.96	a5
1969	Mar. 17, 1969	--	a120
1970	June 12, 1970	.50	1
1971	Feb. 14, 1971	b4.71	a55

167. Meyers Creek near Locate, Mont. (6-3264)

Location.--Lat 46°23', long 105°17', in SE¼ sec.1, T.7 N., R.51 E., Custer County, at culvert on county road on east side of Powder River, 3.4 road miles south of U.S. Highway 12, and 3 miles southeast of Locate.

Drainage area.--9.58 sq mi.

Records available.--July 1962 to

Gage.--Crest-stage gage installed Apr. 25, 1963. Altitude of gage is 2,520 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eJuly 14, 1962	7.79	500
1963	June 6, 1963	8.24	1,370
1964	Aug. 29, 1964	6.62	200
1965	Apr. 1, 1965	5.00	150
1966	Mar. 14, 1966	1.70	55
1967	May 11, 1967	6.13	190
1968	June 24, 1968	7.10	230
1969	June 25, 1969	7.63	360
1970	May 8, 1970	6.70	205
1971	June 16, 1971	2.75	82

a About.
b Backwater from ice.
c No evidence of flow during year.
e Prior to installation of gage.

168. O'Fallon Creek near Ismay, Mont. (6-3266)

Location.--Lat 46°25', long 104°46', near center of east edge of sec.30, T.8 N., R.56 E., Fallon County, at bridge on U.S. Highway 12, 11½ miles west of Plevna, 1 mile east of road to Ismay, and 6½ miles southeast of Ismay.

Drainage area.--669 sq mi.

Records available.--July 1962 to

Gage.--Crest-stage gage installed Apr. 26, 1963. Altitude of gage is 2,590 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	July 14, 1962	7.23	2,480
1963	June 7, 1963	4.12	950
1964	June 18, 1964	4.20	980
1965	July 12, 1965	7.27	2,500
1966	July 26, 1966	5.07	1,370
1967	June 6, 1967	5.62	1,640
1968	Aug. 23, 1968	1.71	240
1969	Mar. 20, 1969	7.12	2,440
1970	May 8, 1970	2.61	440
1971	Mar. 13, 1971	5.19	1,425

169. O'Fallon Creek tributary near Ismay, Mont. (6-3266.5)

Location.--Lat 46°25', long 104°44', in SE¼ sec.29, T.8 N., R.56 E., Fallon County, at culvert on U.S. Highway 12, 2 miles east of road to Ismay, 1 mile east of O'Fallon Creek bridge, and 7 miles southeast of Ismay.

Drainage area.--0.17 sq mi.

Records available.--July 1962 to

Gage.--Crest-stage gage installed Apr. 25, 1963. Altitude of gage is 2,750 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eJuly 14, 1962	3.64	49
1963	June 7, 1963	5.26	59
1964	June 18, 1964	5.27	59
1965	July 12, 1965	3.36	47
1966	July 26, 1966	4.33	54
1967	June 23, 1967	5.55	61
1968	Aug. 23, 1968	1.20	24
1969	Mar. 18, 1969	b1.44	a10
1970	May 8, 1970	.96	18
1971	Mar. 14, 1971	1.06	20

b Backwater from ice and snow.
e Prior to installation of gage.

170. Deep Creek near Baker, Mont. (6-3267)

Location.--Lat 46°18', long 104°18', in SW¼ sec.2, T.6 N., R.59 E., Fallon County, at culverts on State Highway 7, 5.0 road miles south of U.S. Highway 12, in Baker, and 5 miles south of Baker.
Drainage area.--1.55 sq mi.
Records available.--July 1962 to
Gage.--Crest-stage gage installed Apr. 25, 1963. Altitude of gage is 3,080 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eJuly 7, 1962	2.64	86
1963	July 11, 1963	2.55	80
1964	June 8, 1964	3.90	190
1965	July 12, 1965	3.29	136
1966	July 13, 1966	3.87	185
1967	May 8, 1967	2.09	54
1968	June 9, 1968	2.86	100
1969	June 27, 1969	2.46	74
1970	June 13, 1970	2.88	102
1971	June 5, 1971	4.25	225

171. Pennel Creek near Baker, Mont. (6-3268)

Location.--Lat 46°29', long 104°14', in center of south edge of sec.36, T.9 N., R.59 E., Fallon County, at culvert on State Highway 7, 7.8 miles north of U.S. Highway 12 in Baker, and 8 miles north of Baker.
Drainage area.--1.00 sq mi.
Records available.--July 1962 to
Gage.--Crest-stage gage installed Apr. 25, 1963. Altitude of gage is 3,090 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eJuly 7, 1962	6.0	240
1963	June 5, 1963	8.51	350
1964	June 18, 1964	1.94	85
1965	Apr. 9, 1965	1.98	88
1966	June 4, 1966	2.28	97
1967	June 14, 1967	1.94	40
1968	Aug. 23, 1968	1.45	30
1969	June 27, 1969	1.60	35
1970	July 14, 1970	2.10	50
1971	Apr. 6, 1971	2.90	45

e Prior to installation of gage.

172. Yellowstone River tributary No. 4 near Fallon, Mont.
(6-3269)

Location.--Lat 46°52', long 105°06', in SW¼ sec.23, T.13 N., R.52 E., Prairie County, at culvert on Interstate Highway 94 and U.S. Highway 10, 0.5 mile northeast of the north end of the Yellowstone River bridge near Fallon, and 2 miles north of Fallon.

Drainage area.--0.67 sq mi.

Records available.--July 1962 to

Gage.--Crest-stage gage installed May 17, 1963. Altitude of gage is 2,250 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eJuly 14, 1962	9.58	338
1963	June 6, 1963	.67	a40
1964	June 8, 1964	1.05	55
1965	July 12, 1965	1.36	60
1966	--	--	(c)
1967	May 13, 1967	2.20	105
1968	June 15, 1968	6.94	260
1969	June 29, 1969	5.65	220
1970	Apr. 7, 1970	1.59	80
1971	Mar. 5, 1971	4.82	195

173. Yellowstone River tributary No. 5 near Marsh, Mont.
(6-3269.5)

Location.--Lat 46°57', long 104°54', in SW¼ sec.21, T.14 N., R.54 E., Dawson County, at culvert on Interstate Highway 94 and U.S. Highway 10, 2.4 miles northeast of Cracker Box Creek, 2.5 miles southwest of Clear Creek, and 5 miles northeast of Marsh.

Drainage area.--0.87 sq mi.

Records available.--July 1962 to

Gage.--Crest-stage gage installed May 17, 1963. Altitude of gage is 2,300 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eJuly 14, 1962	2.97	127
1963	June 6, 1963	1.40	12
1964	June 8, 1964	.70	2
1965	Apr. 1, 1965	b2.81	a10
1966	June 4, 1966	1.68	a20
1967	May 13, 1967	.66	2
1968	--	--	(c)
1969	Mar. 18, 1969	b3.31	a30
1970	--	--	(c)
1971	Mar. 31. 1971	1.92	34

a About.
b Backwater from ice.
c No evidence of flow during year.
e Prior to installation of gage.

174. Krug Creek tributary near Wibaux, Mont. (6-3277)

Location.--Lat 47°01', long 104°19', in NW¼NW¼ sec.36, T.15 N., R.58 E., Dawson County, at culvert on Interstate Highway 94 and U.S. Highway 10, 8 miles northwest of Wibaux.

Drainage area.--1.74 sq mi.

Records available.--June 1955 to September 1961 (discontinued).

Gage.--Crest-stage gage installed June 30, 1955. Altitude of gage is 2,720 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	--	--	(c)
1956	March 1956	0.23	1
1957	Mar. 20, 1957	1.61	18
1958	July 3, 1958	2.70	49
1959	Mar. 18, 1959	.60	3
1960	June 12, 1960	3.00	70
1961	--	--	(c)

175. Griffith Creek near Glendive,Mont. (6-3278)

Location.--Lat 47°06', long 104°34', in NE¼ sec.36, T.16 N., R.56 E., Carter County, near bridge on Interstate Highway 94 and U.S. Highway 10, 8 miles east of Glendive.

Drainage area.--15.5 sq mi.

Records available.--June 1955 to September 1963, June 1965 to September 1967 (discontinued).

Gage.--Crest-stage gage installed June 30, 1955. Altitude of gage is 2,220 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	July 28, 1955	1.80	a100
1956	Mar. 19, 1956	.86	a80
1957	Mar. 20, 1957	.27	50
1958	July 3, 1958	.55	101
1959	Mar. 17, 1959	.74	157
1960	Mar. 20, 1960	1.41	Not determined
1961	June 29, 1961	3.96	Not determined
1962	June 6, 1962	.82	21
1963	June 22, 1963	1.70	Not determined
1965	June 16, 1965	--	14,600
1966	Mar. 11, 1966	--	a150
1967	June 14, 1967	1.68	a30

a About.

c No evidence of flow during year.

176. Linden Creek at Intake, Mont. (6-3287)

Location.--Lat 47°18', long 104°31', in NE¼ sec.25, T.18 N., R.56 E., Dawson County, at bridge on State Highway 16, 0.8 mile northeast of Intake.
Drainage area.--5.01 sq mi.
Records available.--March 1958 to
Gage.--Crest-stage gage installed Mar. 11, 1958. Altitude of gage is 2,080 ft (from topographic map).
Cooperation.--Montana Water Conservation Board.
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	July 3, 1958	0.98	6
1959	Sept. 21, 1959	1.54	12
1960	June 21, 1960	1.35	10
1961	--	--	(c)
1962	June 15, 1962	1.46	10
1963	Feb. 5, 1963	2.38	a30
1964	--	--	(c)
1965	June 16, 1965	1.63	11
1966	July 2, 1966	1.11	4
1967	June 14, 1967	1.36	22 (revised)
1968	Feb. 27, 1968	1.04	15 (revised)
1969	July 3, 1969	1.38	23 (revised)
1970	--	--	(c)
1971	May 22, 1971	1.25	20

177. Indian Creek at Intake, Mont. (6-3288)

Location.--Lat 47°17', long 104°32', in SW¼ sec.25, T.18 N., R.56 E., Dawson County, at culvert on State Highway 16, 500 ft northeast of Intake.
Drainage area.--0.45 sq mi.
Records available.--March 1958 to
Gage.--Crest-stage gage installed Mar. 11, 1958. Altitude of gage is 2,090 ft (from topographic map).
Cooperation.--Montana State Water Conservation Board.
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	July 3, 1958	3.23	Not determined
1959	Sept. 21, 1959	3.28	Not determined
1960	Mar. 20, 1960	.60	(c)
1961	Mar. 13, 1961	1.04	(c)
1962	Aug. 10, 1962	2.93	Not determined
1963	Feb. 5, 1963	1.83	3
1964	June 8, 1964	2.08	6
1965	June 16, 1965	3.18	Not determined
1966	July 2, 1966	2.40	13
1967	February 1967	2.14	7
1968	July 16, 1968	2.68	a25
1969	July 3, 1969	2.00	5
1970	Sept. 9, 1970	2.09	6
1971	May 22, 1971	1.99	10

a About. c No evidence of flow during year.

178. War Dance Creek near Intake, Mont. (6-3289)

Location.--Lat 47°20', long 104°29', in SW¼ sec.8, T.18 N., R.57 E., Dawson County, at culvert on State Highway 16, 3½ miles northeast of Intake.

Drainage area.--4.31 sq mi.

Records available.--March 1958 to

Gage.--Crest-stage gage installed Mar. 11, 1958. Altitude of gage is 2,080 ft (from topographic map).

Cooperation.--Montana State Water Conservation Board.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	--	--	(c)
1959	Mar. 17, 1959	1.96	62
1960	Mar. 20, 1960	1.83	55
1961	--	--	(c)
1962	June 6, 1962	.94	18
1963	Feb. 5, 1963	-.22	0.4
1964	--	--	(c)
1965	June 16, 1965	.81	15
1966	--	--	(c)
1967	March 1967	1.36	33
1968	--	--	(c)
1969	March 1969	1.38	34
1970	Apr. 7, 1970	.45	6
1971	Mar. 27, 1971	.38	5

179. First Hay Creek near Sidney, Mont. (6-3295.7)

Location.--Lat 47°50', long 104°16', in SE¼ sec.16, T.24 N., R.58 E., Richland County, at bridge on State Highway 16, 4.1 road miles north of "Dryland Crop and Soils Research Station" sign, and 10 miles northwest of Sidney.

Drainage area.--30.0 sq mi.

Records available.--May 1963 to

Gage.--Crest-stage gage installed May 20, 1963. Altitude of gage is 2,170 ft(from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1963	Aug. 23, 1963	1.02	20
1964	July 5, 1964	.90	15
1965	Apr. 8, 1965	--	a100
1966	March 1966	2.15	120
1967	March 1967	2.10	115
1968	Feb. 29, 1968	.70	10
1969	April 1969	1.38	45
1970	June 12, 1970	.73	10
1971	Mar. 27, 1971	2.40	160

a About.
c No evidence of flow during year.

180. North Creek near Alzada, Mont. (6-3329)

Location.--Lat 45°04', long 104°31', in SE¼NW¼ sec.7, T.9 S., R.59 E., Carter County, 8 miles northwest of Alzada.

Drainage area.--0.68 sq mi.

Records available.--May to September 1951 (continuous record), July 1955 to

Gage.--Water-stage gage re-installed July 21, 1955. Altitude of gage is 3,480 ft (by barometer).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1951	June 17, 1951	5.18	260
1955	--	--	(c)
1956	July 2, 1956	4.32	276
1957	Aug. 28, 1957	4.32	276
1958	June 3, 1958	4.66	417
1959	June 30, 1959	3.21	58
1960	Aug. 17, 1960	3.77	142
1961	Sept. 18, 1961	4.05	203
1962	May 21, 1962	5.47	1,300
1963	June 14, 1963	5.23	890
1964	June 22, 1964	3.22	34
1965	July 1, 1965	4.82	486
1966	July 28, 1966	2.92	15
1967	June 5, 1967	5.28	890
1968	June 23, 1968	4.72	430
1969	July 18, 1969	5.42	1,020
1970	June 12, 1970	3.63	120
1971	May 30, 1971	4.81	480

a About.

c No evidence of flow during year.

181. Wolf Creek near Hammond, Mont. (6-3341)

Location.--Lat 45°10', long 104°45', in SE¼ sec.5, T.8 S., R.57 E., Carter County, at culvert on U.S. Highway 212, 8 miles southeast of Hammond.

Drainage area.--9.09 sq mi.

Records available.--July 1955 to

Gage.--Crest-stage gage installed July 22, 1955. Altitude of gage is 3,590 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1955	eJuly 11, 1955	4.08	298
1956	Mar. 22, 1956	3.45	175
1957	Aug. 29, 1957	4.58	365
1958	June 3, 1958	5.76	550
1959	Mar. 19, 1959	3.32	154
1960	Mar. 21, 1960	5.26	485
1961	Sept. 18, 1961	2.31	30
1962	May 21, 1962	5.62	540
1963	Aug. 3, 1963	3.54	190
1964	June 22, 1964	3.85	240
1965	Aug. 22, 1965	12.38	1,170
1966	July 28, 1966	5.66	555
1967	June 14, 1967	9.94	1,100
1968	Feb. 29, 1968	b4.02	a260
1969	Apr. 26, 1969	4.00	270
1970	June 12, 1970	3.65	210
1971	June 11, 1971	5.83	590

a About.
b Backwater from ice.
e Prior to installation of gage.

182. Willow Creek near Alzada, Mont. (6-3342)

Location.--Lat 45°06', long 104°35', in center of sec.27, T.8 S., R.58 E., Carter County, near bridge on U.S. Highway 212, 11 miles northwest of Alzada.
Drainage area.--123 sq mi.
Records available.--May 1958 to
Gage.--Crest-stage gage installed May 8, 1958. Altitude of gage is 3,460 ft (from topographic map).
Cooperation.--Montana State Water Conservation Board.
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	June 5, 1958	7.54	455
1959	Mar. 19, 1959	7.31	548
1960	Mar. 23, 1960	11.19	a1,350
1961	Sept. 18, 1961	1.77	40
1962	May 21, 1962	11.98	a1,700
1963	Aug. 3, 1963	7.28	480
1964	June 22, 1964	4.84	200
1965	Aug. 22, 1965	8.39	550
1966	July 28, 1966	4.97	220
1967	June 14, 1967	12.57	1,800
1968	July 29, 1968	5.94	300
1969	July 18, 1969	10.73	1,240
1970	Apr. 11, 1970	7.88	650
1971	Mar. 27, 1971	11.30	1,400

183. North Fork Coal Bank Creek near Mill Iron, Mont.
(6-3346.4)

Location.--Lat 45°56', long 104°05', in SW¼ sec.12, T.2 N., R.61 E., Fallon County, at bridge on county road, 5 miles south of Soda Creek tributary crest-stage gage, 11 miles southeast of Webster, and 9 miles northeast of Mill Iron.
Drainage area.--15.0 sq mi.
Records available.--May 1962 to
Gage.--Crest-stage gage installed Apr. 26, 1963. Altitude of gage is 3,040 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eMay 22, 1962	4.72	Not determined
1963	July 10 1963	2.65	355
1964	June 9, 1964	1.70	210
1965	Aug. 23, 1965	1.27	150
1966	March 1966	b1.90	a100
1967	May 7, 1967	1.60	195
1968	Feb. 29, 1968	--	a10
1969	Mar. 20, 1969	b2.58	a240
1970	June 12, 1970	(f)	a1
1971	June 16, 1971	3.28	450

a About.
b Backwater from ice.
e Prior to installation of gage.
f Peak discharge did not reach bottom of gage.

184. Soda Creek tributary near Webster, Mont. (6-3347.2)

Location.--Lat 46°01', long 104°06', in NE¼ sec.23, T.3 N., R.61 E., Fallon County, at culvert on county road, 0.3 miles south of Soda Creek, and 8 miles southeast of Webster.

Drainage area.--2.22 sq mi.

Records available.--May 1962 to

Gage.--Crest-stage gage installed Apr. 26, 1963. Altitude of gage is 3,100 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1962	eMay 22, 1962	5.19	106
1963	July 10, 1963	1.57	12
1964	Aug. 29, 1964	2.55	28
1965	July 5, 1965	1.05	7
1966	Mar. 14, 1966	1.00	9
1967	June 14, 1967	1.7	12
1968	July 17, 1968	.79	5
1969	Mar. 19, 1969	4.59	75
1970	June 12, 1970	--	a1
1971	June 16, 1971	2.50	30

185. Spring Creek near Wibaux, Mont. (6-3364.5)

Location.--Lat 46°53', long 104°12', in sec.14, T.13 N., R.59 E., Wibaux County, near bridge on State Highway 7, 7 miles south of Wibaux.

Drainage area.--3.88 sq mi.

Records available.--June 1955 to

Gage.--Crest-stage gage installed June 29, 1955. Altitude of gage is 2,770 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs
1956	March 1956	0.67	61
1957	Sept. 5, 1957	1.36	127
1958	March 1958	.54	52
1959	Mar. 21, 1959	1.18	108
1960	Mar. 20, 1960	.84	76
1961	--	--	(c)
1962	July 19, 1962	3.34	438
1963	Feb. 5, 1963	.57	53
1964	July 5, 1964	.95	85
1965	Apr. 1, 1965	b1.91	a100
1966	Mar. 11, 1966	1.32	125
1967	March 1967	b1.57	a10
1968	Feb. 27, 1968	b1.46	a10
1969	Mar. 19, 1969	1.28	120
1970	Apr. 6, 1970	b1.21	a20
1971	Mar. 30, 1971	b1.33	a30

a About.

b Backwater from ice.

c No evidence of flow during year.

e Prior to installation of gage.

186. Fortine Creek near Trego, Mont. (12-3005)

Location.--Lat 48°39', long 114°55', in NE¼ sec.11, T.33 N., R.26 W., Lincoln County, 5½ miles southwest of Trego.
Drainage area.--112 sq mi.
Records available.--December 1946 to September 1953 (continuous record), 1954, May 1958 to
Gage.--Crest-stage gage installed July 1, 1959. Wire-weight gage December 1946 to September 1953. Altitude of gage is 3,340 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1947	Apr. 29, 1947	10.24	948
1948	May 22, 1948	10.46	1,000
1949	May 11, 1949	9.34	d754
1950	May 16, 1950	11.8	1,810
1951	May 7, 1951	9.95	875
1952	Apr. 28, 1952	9.65	798
1953	May 7, 1953	9.90	860
1954	May 20, 1954	11.8	1,810
1958	May 24, 1958	10.2	a850
1959	--	--	Unknown
1960	Apr. 8, 1960	9.7	700
1961	May 11, 1961	a10.0	a700
1962	Apr. 19, 1962	8.96	540
1963	Apr. 26, 1963	6.01	360
1964	May 18, 1964	9.48	600
1965	Apr. 27, 1965	11.13	1,060
1966	May 4, 1966	8.51	500
1967	May 23, 1967	11.34	1,160
1968	May 23, 1968	7.23	377
1969	Apr. 24, 1969	9.41	610
1970	May 17, 1970	9.73	680
1971	May 4, 1971	11.46	1,030

a About.
d Maximum observed.

187. Deep Creek near Fortine, Mont. (12-3008)

Location.--Lat 48°46', long 114°53', in SW¼ sec.30, T.35 N., R.25 W., Lincoln County, at culvert on county road, 1¼ miles east of Fortine.
Drainage area.--17.9 sq mi.
Records available.--July 1959 to
Gage.--Crest-stage gage installed July 1, 1959. Altitude of gage is 3,000 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	(k)	2.8	150
1960	June 6, 1960	2.67	138
1961	May 31, 1961	2.92	161
1962	May 28, 1962	1.75	82
1963	June 22, 1963	2.26	108
1964	June 8, 1964	4.90	310
1965	May 28, 1965	3.28	180
1966	May 4, 1966	4.20	208
1967	May 24, 1967	3.06	140
1968	May 24, 1968	2.12	92
1969	May 30, 1969	3.40	160
1970	June 16, 1970	3.52	166
1971	May 4, 1971	2.70	126

188. Kootenai River tributary near Rexford, Mont. (12-3017)

Location.--Lat 48°48', long 115°18', in SE¼ sec.11, T.35 N., R.29 W., Lincoln County, at culvert on State Highway 37, 7 miles southwest of Rexford.
Drainage area.--1.11 sq mi.
Records available.--July 1959 to 1970 (discontinued)
Gage.--Crest-stage gage installed July 1, 1959. Altitude of gage is 2,280 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	(k)	0.5	2
1960	Apr. 8, 1960	1.25	9
1961	May 12, 1961	1.28	9
1962	May 21, 1962	1.16	8
1963	May 14, 1963	.55	3
1964	May 21, 1964	1.00	7
1965	May 27, 1965	1.10	8
1966	May 4, 1966	.88	6
1967	May 22, 1967	1.48	12
1968	May 22, 1968	.50	2
1969	Apr. 24, 1969	1.70	14
1970	May 17, 1970	.84	5

k Peak flow occurred sometime during period May-June.

189. Gold Creek near Rexford, Mont. (12-3018)

Location.--Lat 48°47', long 115°19', in NW¼ sec.23, T.35 N., R.29 W., Lincoln County, at culvert on State Highway 37, 8 miles southwest of Rexford.

Draiange area.--6.04 sq mi.

Records available.--July 1959 to 1969 (discontinued)

Gage.--Crest-stage gage installed July 1, 1959. Altitude of gage is 2,260 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	(k)	1.5	103
1960	Apr. 8, 1960	.85	55
1961	May 21, 1961	.97	64
1962	May 12, 1962	.78	50
1963	May 14, 1963	.27	22
1964	May 20, 1964	.93	61
1965	Apr. 27, 1965	.95	62
1966	May 4, 1966	.91	60
1967	May 22, 1967	1.85	134
1968	May 22, 1968	.51	34
1969	Apr. 24, 1969	4.14	230

190. Little Jackson Creek near Libby, Mont. (12-3019)

Location.--Lat 48°27', long 115°19', in center sec.16, T.31 N., R.29 W., Lincoln County, at culvert on State Highway 37, 12 miles northeast of Libby.

Drainage area.--2.60 sq mi.

Records available.--May 1961 to 1969 (discontinued).

Gage.--Crest-stage gage installed May 16, 1961. Altitude of gage is 2,180 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1961	eMay 15, 1961	0.4	13
1962	--	(f)	<4
1963	February 1963	b.22	a5
1964	--	(f)	<4
1965	April 1965	.36	12
1966	--	(f)	<4
1967	June 28, 1967	-.02	4
1968	May 7, 1968	-.38	<.1
1969	--	--	Unknown

a About.
b Backwater from ice.
e Prior to installation of gage.
f Peak did not reach bottom of gage.
k Peak flow occured sometime during period May-June.

191. Peoples Creek near Libby, Mont. (123020.5)

Location.--Lat 48°20', long 115°19', in NW¼ sec.28, T.30 N., R.29 W., Lincoln County, at culvert on private road, 12 miles east of Libby.

Drainage area.--2.65 sq mi.

Records available.--May 1961 to September 1967 (discontinued)

Gage.--Crest-stage gage installed May 16, 1961. Altitude of gage is 2,200 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1961	eMay 15, 1961	0.3	10
1962	May 18, 1962	.05	4
1963	--	(f)	<0.5
1964	Apr. 21, 1964	-.04	1
1965	Apr. 27, 1965	.46	15
1966	May 12, 1966	.34	a2
1967	May 22, 1967	.34	1

192. Severn Gulch near Jennings, Mont. (12-3021)

Location.--Lat 48°22', long 115°24', in SE¼ sec.14, T.30 N., R.30 W., Lincoln County, at culvert on private road, 3 miles west of Jennings.

Drainage area.--1.16 sq mi.

Records available.--July 1959 to May 1961 (discontinued).

Gage.--Crest-stage gage installed July 2, 1959.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	April 1960	0.03	a1
1961	--	--	Unknown

a About.
e Prior to installation of gage.
f Peak discharge did not reach bottom of gage.

195. Whitetail Creek near Yaak, Mont. (12-3042.5)

Location.--Lat 48°50', long 115°49', in NE¼ sec.1, T.35 N., R.33 W., Lincoln County, 500 ft upstream from mouth, 5 miles west of Yaak.

Drainage area.--2.61 sq mi.

Records available.--July 1960 to

Gage.--Crest-stage gage installed July 15, 1960. Altitude of gage is 2,930 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	(k)	0.7	33
1961	May 1, 1961	1.02	49
1962	May 21, 1962	.45	11
1963	Apr. 4, 1963	.58	15
1964	May 22, 1964	.70	31
1965	Apr. 26, 1965	.96	42
1966	May 4, 1966	.79	23
1967	May 22, 1967	.88	26
1968	May 22, 1968	.56	14
1969	Apr. 24, 1966	1.23	44
1970	May 17, 1970	.87	24
1971	May 4, 1971	-.79	32

196. Cyclone Creek near Yaak, Mont. (123043)

Location.--Lat 48°45', long 115°54', in SE¼ sec.32, T.35 N., R.33 W., Lincoln County, at bridge 0.2 mile upstream from mouth, 10½ miles southwest of Yaak.

Drainage area.--5.66 sq mi.

Records available.--July 1960 to

Gage.--Crest-stage gage installed July 15, 1960. Altitude of gage is 2,790 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	(k)	2.06	220
1961	May 26, 1961	1.78	172
1962	May 21, 1962	1.26	97
1963	Apr. 4, 1963	1.58	133
1964	May 22, 1964	1.94	150
1965	Apr. 27, 1965	1.38	73
1966	May 4, 1966	1.56	130
1967	May 22, 1967	1.75	168
1968	May 22, 1968	1.42	118
1969	May 31, 1969	1.45	125
1970	May , 1970	.95	92
1971	May 5, 1971	1.25	138

k Peak flow occurred sometime during period May-June.

197. Fourth of July Creek near Yaak, Mont. (12-3044)

Location.--Lat 48°42', long 115°52', in NW¼ sec.22, T.34 N., R.33 W., Lincoln County, at bridge 500 ft upstream from mouth, 12 miles southwest of Yaak.

Drainage area.--7.70 sq mi.

Records available.--July 1960 to

Gage.--Crest-stage gage installed July 14, 1960. Altitude of gage is 2,650 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	(k)	2.5	258
1961	May 26, 1961	2.06	196
1962	Apr. 19, 1962	1.60	138
1963	Apr. 14, 1963	.95	61
1964	May 22, 1964	2.20	190
1965	Apr. 26, 1965	1.98	165
1966	May 4, 1966	2.00	188
1967	May 22, 1967	2.19	215
1968	May 22, 1968	1.79	160
1969	Apr. 24, 1969	2.39	178 (revised)
1970	May 17, 1970	2.59	180 (revised)
1971	May 21, 1971	2.60	164

198. Smith Gulch near Silverbow, Mont. (12-3233)

Location.--Lat 45°57', long 112°40', in N½ sec.1, T.2 N., R.9 W., Silver Bow County, at culvert on Interstate Highway 15, and U.S. Highway 91, 4 miles south of Silverbow.

Drainage area.--4.85 sq mi.

Records available.--May 1959 to

Gage.--Crest-stage gage installed May 11, 1959. Altitude of gage is 5,510 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	--	--	a5
1960	Mar. 21, 1960	1.97	43
1961	Sept. 11, 1961	2.41	67
1962	Apr. 14, 1962	1.70	32
1963	Feb. 4, 1963	4.91	80
1964	Mar. 30, 1964	3.04	10
1965	Dec. 23, 1965	5.75	123
1966	Mar. 30, 1966	3.04	9
1967	May 8, 1967	3.28	19
1968	Feb. 21, 1968	2.77	2
1969	June 9, 1969	4.31	56
1970	June 12, 1970	3.34	19
1971	Feb. 12, 1971	3.30	18

a About.

k Peak flow occurred sometime during period May-June.

199. Clark Fork tributary near Drummond, Mont. (12-3247)

Location.--Lat 46°37', long 113°02', in SW¼ sec.18, T.10 N., R.11 W., Powell County, 0.5 mile upstream from Interstate Highway 90 and U.S. Highway 10, 6½ miles east of Drummond.
Drainage area.--4.61 sq mi.
Records available.--June 1959 to
Gage.--Crest-stage gage installed June 17, 1959. Altitude of gage is 4,080 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	eJune 9, 1958	1.64	133
1959	--	--	(c)
1960	Mar. 18, 1960	1.62	84
1961	Apr. 3, 1961	.70	20
1962	Apr. 4, 1962	.62	18
1963	Feb. 4, 1963	1.44	56
1964	Mar. 31, 1964	.98	21
1965	Feb. 5, 1965	1.53	64
1966	Mar. 9, 1966	2.00	125
1967	Mar. 18, 1967	.55	15
1968	Feb. 20, 1968	1.45	66
1969	Mar. 31, 1969	1.53	75
1970	Feb. 16, 1970	1.27	54
1971	Feb. 14, 1971	1.99	124

200. Morris Creek near Drummond, Mont. (12-3248).

Location.--Lat 46°40', long 113°06', in NW¼NW¼ sec.34, T.11 N., R.12 W., Granite County, at culvert on State Secondary Highway 271, 2 miles east of Drummond.
Drainage area.--12.6 sq mi.
Records available.--June 1959 to
Gage.--Crest-stage gage installed June 17, 1959. Altitude of gage is 4,170 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 26, 1960	1.23	14
1961	Apr. 3, 1961	.47	3
1962	Apr. 23, 1962	.65	4
1963	Mar. 21, 1963	.76	6
1964	May 20, 1964	1.06	10
1965	May 29, 1965	.83	12
1966	Mar. 29, 1966	.87	13
1967	Mar. 18, 1967	.82	12
1968	Feb. 20, 1968	1.02	10
1969	Mar. 31, 1969	1.16	12
1970	May 7, 1970	1.61	23
1971	May 5, 1971	.68	5

c No evidence of flow during year.
e Prior to installation of gage.

201. Edwards Gulch at Drummond, Mont. (12-3317)

Location.--Lat 46°40', long 113°09', in SW¼SW¼ sec.29, T.11 N., R.12 W., Granite County, at culvert on private road, 0.4 miles north of Interstate Highway 90 and U.S. Highway 10 at Drummond.
Drainage area.--4.69 sq mi.
Records available.--June 1959 to September 1962 (discontinued).
Gage.--Crest-stage gage installed June 17, 1959. Altitude of gage is 4,000 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Mar. 21, 1960	[b]1.14	Unknown
1961	Apr. 3, 1961	.14	2
1962	Apr. 14, 1962	.55	8

202. West Twin Creek near Bonner, Mont. (12-3399)

Location.--Lat 46°55', long 113°43', in NW¼ sec.2, T.13 N., R.17 W., Missoula County at bridge on State Highway 20, 8 miles east of Bonner.
Drainage area.--7.47 sq mi.
Records available.--June 1959 to
Gage.--Crest-stage gage installed June 17, 1959. Altitude of gage is 3,410 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	June 1959	0.7	98
1960	Apr. 6, 1960	.63	82
1961	May 27, 1961	.91	128
1962	Apr. 19, 1962	.92	92
1963	May 29, 1963	.63	63
1964	June 8, 1964	[b]1.10	[a]150
1965	Apr. 14, 1965	1.33	[a]120
1966	May 28, 1966	.45	42
1967	May 22, 1967	1.48	200
1968	May 22, 1968	.91	80
1969	Apr. 24, 1969	1.05	120
1970	May 20, 1970	.97	112
1971	May 11, 1971	1.25	156

203. Marshall Creek near Missoula, Mont. (12-3402)

Location.--Lat 46°53', long 113°55', in NW¼ sec.18, T.13 N., R.18 W., Missoula County, at culvert on Interstate Highway 90 and U.S. Highways 10 and 12, 3 miles east of Missoula.
Drainage area.--5.47 sq mi.
Records available.--June 1959 to
Gage.--Crest-stage gage installed June 19, 1959. Altitude of gage is 3,310 ft (from topographic map).

[a] About.
[b] Peak discharge did not reach bottom of gage.

203. Marshall Creek near Missoula, Mont. (12-3402)--Continued.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	June 1959	0.3	13
1960	Apr. 7, 1960	.26	11
1961	May 27, 1961	.27	12
1962	Apr. 25, 1962	.53	15
1963	May 6, 1963	.38	7
1964	May 21, 1964	1.05	a50
1965	May 29, 1965	.54	26
1966	April 1966	.20	a10
1967	May 22, 1967	.34	10
1968	May 5, 1968	.32	10
1969	Apr. 24, 1969	.21	17
1970	May 18, 1970	.56	31
1971	June 13, 1971	.26	23

204. Burke Gulch near Darby, Mont. (12-3443)

Location.--Lat 46°02', long 114°09', in S½ sec.12, T.3 N., R.21 W., Ravalli County, 1 mile upstream from mouth, 1½ miles east of Darby.

Drainage area.--6.28 sq mi.

Records available.--April 1958 to

Gage.--Staff gage installed Apr. 16, 1958. Crest-stage gage installed July 21, 1959. Altitude of gage is 4,100 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	May 12, 1958	0.94	11
1959	May 16, 1959	--	a5
1960	Apr. 7, 1960	.85	8
1961	May 27, 1961	.40	2
1962	May 1962	(f)	a4
1963	February 1963	1.08	13
1964	Apr. 21, 1964	.95	11
1965	Apr. 22, 1965	.95	7
1966	June 1966	.59	3
1967	May 22, 1967	.84	8
1968	May 22, 1968	.80	8
1969	Apr. 24, 1969	.84	8
1970	May 17, 1970	.94	10
1971	May 5, 1971	1.66	25

a About.
f Peak discharge did not reach bottom of gage.

205. Camas Creek near Hamilton, Mont. (12-3458)

Location.--Lat 46°09', long 114°13', in SW¼ sec.34, T.5 N., R.21 W., Ravalli County, 8 miles southwest of Hamilton.
Drainage area.--6.01 sq mi.
Records available.--April 1958 to
Gage.--Staff gage installed Apr. 17, 1958. Crest-stage gage installed July 21, 1959. Altitude of gage is 4,000 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	May 20, 1958	2.52	240
1959	June 7, 1959	2.30	190
1960	June 4, 1960	2.65	265
1961	May 28, 1961	2.30	190
1962	June 25, 1962	2.06	80
1963	May 25, 1963	2.03	74
1964	June 26, 1964	2.15	120
1965	June 12, 1965	2.39	148
1966	May 6, 1966	2.07	102
1967	May 22, 1967	3.06	190
1968	June 2, 1968	2.72	108
1969	May 21, 1969	2.80	120
1970	June 5, 1970	3.22	240
1971	June 13, 1971	2.84	150

206. Willow Creek near Corvallis, Mont. (12-3485)

Location.--Lat 46°17'40", long 113°59'40", in SW¼NE¼ sec.8, T.6 N., R.19 W., Ravalli County, 800 ft downstream from Butterfly ranger station, 0.5 mile downstream from Horn ditch, and 6 miles southeast of Corvallis.
Drainage area.--22.4 sq mi.
Records available.--April 1920 to May 1924 (no winter records), September 1957 to December 1965 (continuous record), January 1966 to
Gage.--Wire-weight gage. Crest-stage gage installed July 20, 1959. Altitude of gage is 4,130 ft (from topographic map).

206. Willow Creek near Corvallis, Mont. (12-3485)-Continued

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1920	June 22, July 2 1920	1.50	60
1921	June 8, 1921	2.04	114
1922	June 15, 1922	2.20	130
1923	June 26, 1923	1.80	d92
1958	May 28, 1958	2.70	103
1959	June 21, 1959	2.56	84
1960	June 3, 1960	2.60	99
1961	May 30, 1961	2.60	88
1962	June 13, 1962	2.56	88
1963	June 21, 1963	2.60	106
1964	June 17, 1964	2.70	144
1965	June 12, 1965	2.87	168
1966	May 28, 1966	1.39	61
1967	June 6, 1967	2.06	134
1968	June 2, 1968	1.81	106
1969	May 21, 1969	1.83	108
1970	June 5, 1970	1.94	124
1971	May 13, 1971	1.80	120

207. Gash Creek near Victor, Mont. (12-3502)

Location.--Lat 46°24', long 114°16', in W½ sec.32, T.8 N., R.21 W., Ravalli County, 5 miles west of Victor.

Drainage area.--3.37 sq mi.

Records available.--July 1958 to

Gage.--Staff gage installed July 8, 1958. Crest-stage gage installed July 20, 1959. Altitude of gage is 5,500 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	May 21, 1958	--	a200
1959	June 5, 1959	1.58	160
1960	June 4, 1960	.75	80
1961	May 28, 1961	1.57	99
1962	June 25, 1962	1.26	47
1963	June 5, 1963	1.19	a60
1964	June 26, 1964	1.36	75
1965	June 12, 1965	1.81	165
1966	May 28, 1966	1.56	98
1967	June 6, 1967	2.02	200
1968	June 2, 1968	1.49	90
1969	May 21, 1969	1.83	150
1970	June 5, 1970	1.65	95
1971	June 13, 1971	1.74	157

a About.
d Maximum observed.

208. Kootenai Creek near Stevensville, Mont. (12-3505)

Location.--Lat 46°32'30", long 114°10'00", in SW¼NW¼ sec.18, T.9 N., R.20 W., Ravalli County, 3 miles upstream from mouth and 4 miles northwest of Stevensville.

Drainage area.--28.9 sq mi.

Records available.--December 1948 to September 1953, August 1957 to September 1963 (continuous record), October 1963 to

Gage.--Water-stage recorder. Altitude of gage is 3,780 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1948	May-June 1948	--	1,250
1949	May 16, 1949	5.11	980
1950	June 17, 1950	5.85	1,300
1951	June 15, 1951	4.36	654
1952	June 6, 1952	3.76	381
1953	June 13, 1953	3.99	490
1958	May 24, 1958	5.63	1,080
1959	June 13, 1959	5.39	1,020
1960	June 16, 1960	5.30	998
1961	June 4, 1961	4.99	840
1962	June 16, 1962	4.53	630
1963	June 5, 1963	4.29	562
1964	June 8, 1964	4.88	790
1965	June 12, 1964	4.82	765
1966	May 27, 1966	4.27	535
1967	June 6, 1967	5.14	910
1968	June 2, 1968	4.58	660
1969	May 30, 1969	5.19	940
1970	June 5, 1970	5.40	1,020
1971	May 28, 1971	4.98	840

209. Burnt Fork Bitterroot River near Stevensville, Mont.
(12-3510)
(Previously Published as Burnt Fork Creek near Stevensville)

Location.--Lat 46°27'50", long 113°56'40", in NW¼SW¼ sec.11, T.8 N., R.19 W., Ravalli County, 150 ft upstream from county, road bridge and 8 miles southeast of Stevensville.
Drainage area.--74.0 sq mi.
Records available.--May to November 1920, April 1922 to September 1924 (no winter records), April to June 1938, October 1938 to September 1962 (continuous record), October 1962 to
Gage.--Staff gage. Crest-stage gage installed July 1959. Altitude of gage is 4,270 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1920	June 16, 1920	2.16	d347
1922	June 10, 1922	2.64	d620
1923	June 19, 1923	1.92	d276
1924	May 18, 1924	1.90	d268
1938	May 28, 1938	2.92	d641
1939	May 4, 1939	1.74	d192
1940	May 25, 1940	1.40	d121
1941	June 4, 1941	1.36	d119
1942	May 26, 1942	2.12	d371
1943	June 19, 1943	2.04	d382
1944	June 19, 1944	1.50	d183
1945	June 4, 6, 1945	1.40	d139
1946	May 28, 1946	1.43	d142
1947	May 8, 9, 1947	2.20	d414
1948	May 28, 29, 1948	2.54	d565
1949	May 17, 1949	2.05	d310
1950	June 21, 1950	2.22	d379
1951	May 24, 1951	2.16	d361
1952	May 26, 1952	1.86	d233
1953	June 13, 1953	2.19	d351
1954	June 28, 1954	2.09	d300
1955	June 15, 1955	3.28	d284
1956	May 24, 1956	3.72	d414
1957	June 3, 4, 1957	3.46	d320
1958	May 21, 22, 1958	3.48	d371
1959	June 14, 1959	--	h310
1960	June 5, 1960	3.24	317
1961	June 4, 1961	3.62	411
1962	June 14, 1962	3.28	303
1963	June 5, 1963	3.35	312
1964	June 8, 1964	4.73	720
1965	June 12, 1965	4.19	530
1966	May 27, 1966	3.15	240
1967	May 23, 1967	5.82	1,100
1968	June 2, 1968	3.48	320
1969	May 21, 1969	3.93	450
1970	June 5, 1970	3.90	440
1971	June 6, 1971	3.97	510

d Maximum observed. h Maximum daily.

210. Eightmile Creek near Florence, Mont. (12-3514)

Location.--Lat 46°39'10", long 113°57'30", in SW¼SW¼ sec.2, T.10 N., R.19 W., Ravalli County, 0.6 mile upstream from Granite Creek, 5 miles upstream from mouth, and 6 miles east of Florence.

Drainage area.--20.6 sq mi.

Records available.--September 1957 to September 1963 (continuous record), October 1963 to

Gage.--Water-stage recorder prior to October 1963. Crest-stage gage installed October 1963. Altitude of gage is 3,800 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1958	May 13, 1958	2.72	62
1959	June 6, 1959	2.06	33
1960	Apr. 10, 1960	2.03	30
1961	May 30, 1961	2.19	38
1962	May 25, 1962	2.27	36
1963	May 26, 1963	1.98	26
1964	June 8, 1964	3.60	104
1965	May 12, 1965	3.63	75
1966	Mar. 27, 1966	3.28	57
1967	June 6, 1967	2.89	57
1968	May 5, 1968	2.33	33
1969	May 20, 1969	2.70	50
1970	June 5, 1970	4.25	104
1971	May 5, 1971	3.75	65

211. Hayes Creek near Missoula, Mont. (12-3522)

Location.--Lat 46°49', long 114°06', in center sec.10, T.12 N., R.20 W., Missoula County, at culvert on U.S. Highways 12 and 93, 2 miles southwest of Missoula.

Drainage area.--4.16 sq mi.

Records available.--June 1959 to

Gage.--Crest-stage gage installed June 19, 1959. Altitude of gage is 3,300 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	(k)	0.6	3
1960	Apr. 5, 1960	3.77	56
1961	May 27, 1961	.70	4
1962	Apr. 24, 1962	1.34	14
1963	Mar. 22, 1963	.58	3
1964	May 22, 1964	1.63	21
1965	May 12, 1965	2.45	29
1966	Mar. 30, 1966	.52	2
1967	--	--	Unknown
1968	May 5, 1968	-.12	5
1979	Apr. 24, 1969	.20	14
1970	May 5, 1970	.19	14
1971	May 5, 1971	.30	18

k Peak flow occurred sometime during period May-June.

212. Nigger Gulch near Alberton, Mont. (12-3534)

Location.--Lat 47°01', long 114°32', in NW¼ sec.33, T.15 N., R.23 W., Mineral County, at culvert on county road, 2.6 miles west of Alberton.

Drainage area.--8.02 sq mi.

Records available.--June 1959 to

Gage.--Crest-stage gage installed June 19, 1959. Altitude of gage is 3,000 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	(k)	0.7	23
1960	Apr. 6, 1960	.80	27
1961	May 2, 1961	.74	24
1962	May 29, 1962	.54	16
1963	May 6, 1963	.59	18
1964	June 9, 1964	1.01	67
1965	Apr. 28, 1965	2.05	170
1966	Mar. 30, 1966	.45	20
1967	May 11, 1967	.47	21
1968	May 5, 1968	.28	8
1969	Apr. 10, 1969	.62	32
1970	May 16, 1970	1.80	142
1971	May 5, 1971	.65	42

213. Flat Creek near Superior, Mont. (12-3537)

Location.--Lat 47°13', long 114°53', in NW¼ sec.23, T.17 N., R.26 W., Mineral County, at culvert on county road, 2 miles north of Superior.

Drainage area.--13.0 sq mi.

Records available.--July 1959 to May 1961 (discontinued).

Gage.--Crest-stage gage installed July 3, 1959.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Apr. 6, 1960	0.31	Unknown
1961	--	--	Unknown

k Peak flow occurred sometime during period May-June.

214. Thompson Creek near Superior, Mont. (12-3538)

Location.--Lat 47°12', long 114°55', in SW¼ sec.28, T.17 N., R.26 W., Mineral County, 1¼ miles west of Superior.
Drainage area.--12.2 sq mi.
Records available.--May 1961 to
Gage.--Crest-stage gage installed May 15, 1961. Altitude of gage is 2,710 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1961	May 26, 1961	0.53	[a]55
1962	Apr. 24, 1962	.82	85
1963	Apr. 14, 1963	.15	20
1964	May 21, 1964	.53	79
1965	Apr. 14, 1965	3.0	190
1966	May 4, 1966	.09	54
1967	May 22, 1967	.57	80
1968	May 22, 1968	-.84	24
1969	May 1, 1969	-.04	56
1970	May 20, 1970	-.20	61
1971	May 13, 1971	1.07	109

215. East Fork Timber Creek near Haugan, Mont. (12-3538.5)

Location.--Lat 47°25', long 115°25', in NE¼ sec.16, T.19 N., R.30 W., Mineral County, at culvert on county road 2 miles north of Haugan.
Drainage area.--2.72 sq mi.
Records available.--May 1961 to
Gage.--Crest-stage gage installed May 15, 1961. Altitude of gage is 3,350 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1961	May 2, 1961	0.38	23
1962	Apr. 15, 1962	.82	45
1963	Apr. 14, 1963	.33	20
1964	May 22, 1964	.87	40
1965	Apr. 14, 1965	1.46	66
1966	Apr. 6, 1966	.48	27
1967	May 22, 1967	.67	42
1968	May 5, 1968	.23	15
1969	Apr. 24, 1969	.82	44
1970	May 17, 1970	.77	42
1971	May 5, 1971	1.22	55

[a] About.

216. St. Regis River tributary near St. Regis, Mont. (12-3539)

Location.--Lat 47°19', long 115°13', in NW¼ sec.19, T.18 N., R.28 W., Mineral County, at culvert on Interstate Highway 90 and U.S. Highway 10, 6 miles west of St.Regis.
Drainage area.--1.16 sq mi.
Records available.--July 1959 to May 1961 (discontinued).
Gage.--Crest-stage gage installed July 3, 1959.
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	(k)	0.5	Unknown
1960	May 9, 1960	.28	Unknown
1961	--	--	Unknown

217. North Fork Little Joe Creek near St. Regis, Mont. (12-3541)

Location.--Lat 47°16', long 115°09', in SW¼SE¼ sec.34, T.18 N., R.28 W., Mineral County, at bridge on county road, 3 miles southwest of St. Regis.
Drainage area.--14.7 sq mi.
Records available.--July 1959 to
Gage.--Crest-stage gage installed July 3, 1959. Altitude of gage is 2,850 ft (from topographic map).
Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	May 12, 1960	1.84	179
1961	May 26, 1961	1.88	185
1962	May 27, 1962	1.16	91
1963	May 28, 1963	.95	57
1964	June 8, 1964	1.91	212
1965	May 29, 1965	1.83	200
1966	May 5, 1966	1.60	147
1967	May 22, 1967	1.61	195
1968	May 22, 1968	.79	102
1969	Apr. 30, 1969	1.42	175
1970	May 25, 1970	1.64	205
1971	May 13, 1971	1.97	262

---

k Peak flow occurred sometime during period May-June.

218. Skyland Creek near Essex, Mont. (12-3560)

Location.--Lat 48°17'30", long 113°23'10", in SE¼NW¼ sec.9, T.29 N., R.14 W., Flathead County, 10 miles northeast of Essex.

Drainage area.--8.09 sq mi.

Records available.--January 1946 to September 1952 (continuous record), 1954, June 1959 to

Gage.--Water-stage recorder re-installed June 30, 1959, destroyed June 8, 1964. Crest-stage gage installed Sept. 10, 1964. Datum of gage is 4,835.83 ft above mean sea level, datum of 1929 (Corps of Engineers bench mark).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1946	May 28, 1946	1.72	117
1947	May 9, 1947	1.84	189
1948	May 22, 1948	2.15	284
1949	May 16, 1949	1.68	126
1950	June 12, 1950	2.46	268
1951	June 15, 1951	2.05	179
1952	May 15, 1952	1.87	148
1954	May 19, 1954	2.3	230
1959	June 5, 1959	2.1	189
1960	June 3, 1960	2.00	169
1961	May 30, 1961	2.48	267
1962	May 29, 1962	1.58	93
1963	June 5, 1963	1.52	82
1964	June 8, 1964	9.55	3,580
1965	May 29, 1965	4.76	a120
1966	May 26, 1966	4.30	140
1967	June 1967	(f)	<100
1968	May 23, 1968	3.62	90
1969	Apr. 24, 1969	3.60	140
1970	June 5, 1970	3.73	198
1971	June 13, 1971	3.38	176

a About.
f Peak discharge did not reach bottom of gage.

219. Moccasin Creek near West Glacier, Mont. (12-3573)

Location.--Lat 48°29', long 113°51', in SE¼ sec.35, T.32 N., R.18 W., Flathead County, at culvert on U.S. Highway 2, 6½ miles east of West Glacier.

Drainage area.--1.97 sq mi.

Records available.--June 1959 to

Gage.--Crest-stage gage installed June 30, 1959. Altitude of gage is 3,300 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	(k)	1.3	102
1960	June 3, 1960	1.29	120
1961	May 27, 1961	1.43	105
1962	Apr. 24, 1962	1.17	50
1963	May 25, 1963	1.15	48
1964	June 8, 1964	--	Not determined
1965	May 29, 1965	5.60	a490
1966	May 26, 1966	4.11	262
1967	June 6, 1967	3.96	226
1968	May 23, 1968	3.49	115
1969	Apr. 24, 1969	3.21	62 (revised)
1970	May 25, 1970	3.24	64
1971	June 13, 1971	3.25	69

220. Middle Fork Flathead River tributary at West Glacier, Mont. (12-3574)

Location.--Lat 48°30', long 113°58', in NE¼ sec.36, T.32 N., R.19 W., Flathead County, at culvert on U.S. Highway 2, 0.9 mile east of West Glacier.

Drainage area!--0.10 sq mi.

Records available.--June 1959 to

Gage.--Crest-stage gage installed June 30, 1959. Altitude of gage is 3,250 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	Apr. 3, 1960	0.27	3
1961	May 2, 1961	.19	2
1962	Apr. 23, 1962	.11	1
1963	--	(f)	<.5
1964	June 8, 1964	.32	a8
1965	Apr. 21, 1965	.49	9
1966	June 4, 1966	.40	6
1967	June 6, 1967	.27	3
1968	May 24, 1968	.09	1
1969	Apr. 24, 1969	.52	a10
1970	June 1, 1970	.16	2
1971	May 3, 1971	.23	3

a About.
f Peak discharge did not reach bottom of gage.
k Peak flow occurred sometime during period May-June.

221. Spring Creek near Stryker, Mont. (12-3638)

Location.--Lat 48°38', long 114°41', in N½ sec.15, T.33 N., R.24 W., Flathead County, at culvert on U.S. Highway 93, 5 miles southeast of Stryker.

Drainage area.--3.86 sq mi.

Records available.--July 1959 to May 1961 (discontinued).

Gage.--Crest-stage gage installed July 1, 1959. Altitude of gage is 3,260 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	(k)	0.7	12
1960	June 3, 1960	-.08	8
1961	May 15, 1961	.62	10

222. Rock Creek near Olney, Mont. (12-3639)

Location.--Lat 48°37', long 114°39', in NW¼ sec.24, T.33 N., R.24 W., Flathead County, at culvert on U.S. Highway 93, 6 miles northwest of Olney.

Drainage area.--6.18 sq mi.

Records available.--May 1961 to

Gage.--Crest-stage gage installed May 16, 1961. Altitude of gage is 3,240 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1961	eMay 15, 1961	a1.2	24
1962	May 21, 1962	.82	13
1963	May 14, 1963	.56	6
1964	May 2, 1964	1.29	25
1965	Apr. 28, 1965	1.40	29
1966	June 4, 1966	.96	14
1967	May 24, 1967	.74	13
1968	May 24, 1968	.55	9
1969	Apr. 24, 1969	1.15	20
1970	May 17, 1970	.80	11
1971	May 3, 1971	1.03	17

a About.
e Prior to installation of gage.
k Peak flow occurred sometime during period May-June.

223. Dayton Creek near Proctor, Mont. (12-3705)

Location.--Lat 47°55', long 114°20', in NW¼ sec.20, T.25 N., R.21 W., Lake County, at culvert on county road, 2½ miles northwest of Proctor.

Drainage area.--20.9 sq mi.

Records available.--June 1959 to

Gage.--Crest-stage gage installed June 18, 1959. Altitude of gage is 3,350 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	(k)	1.3	37
1960	May 12, 1960	1.74	51
1961	May 27, 1961	3.00	93
1962	Apr. 24, 1962	1.54	45
1963	Apr. 13, 1963	.28	7
1964	June 8, 1964	1.06	29
1965	Apr. 15, 1965	5.09	131
1966	Mar. 29, 1966	1.03	28
1967	May 22, 1967	2.16	60
1968	May 14, 1968	.88	22
1969	Apr. 24, 1969	2.07	48
1970	May 21, 1970	2.21	49
1971	May 13, 1971	1.53	40

224. Teepee Creek near Polson, Mont. (12-3709)

Location.--Lat 47°49', long 114°01', in SW¼ sec.23, T.24 N., R.19 W., Lake County, at culvert on State Highway 35, 11 miles northeast of Polson.

Drainage area.--2.55 sq mi.

Records available.--June 1959 to

Gage.--Crest-stage gage installed June 29, 1959. Altitude of gage is 2,910 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1960	June 3, 1960	0.48	11
1961	June 2, 1961	.90	22
1962	Apr. 24, 1962	.05	4
1963	--	(f)	<1
1964	June 8, 1964	2.15	44
1965	June 12, 1965	.32	8
1966	May 26, 1966	.18	6
1967	June 6, 1967	.30	8
1968	May 22, 1968	.17	6
1969	Apr. 24, 1969	.35	9
1970	May 20, 1970	1.69	39
1971	June 13, 1971	.09	5

---

f Peak discharge did not reach bottom of gage.

k Peak flow occurred sometime during period May-June.

225. Hell Roaring Creek near Polson, Mont. (12-3711)

Location.--Lat 47°42', long 114°03', in NW¼ sec.4, T.22 N., R.19 W., Lake County, at power house, 5½ miles east of Polson.

Drainage area.--6.41 sq mi.

Records available.--May 1917 to September 1932 (continuous record), June 1959 to September 1967 (discontinued). Prior to 1959, published as Big Creek near Polson.

Gage.--Crest-stage gage installed June 29, 1959. May 1917 to September 1932, water-stage recorder. Altitude of gage is 3,150 ft (by barometer).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1917	June 9, 1917	--	d104
1918	June 11-14, 1918	--	38
1919	May 27, 1919	--	69
1920	May 14, 1920	--	29.4
1921	June 7, 1921	--	23.3
1922	May 20, 1922	--	49
1923	June 22, 1923	--	29.7
1924	May 17, 1924	--	27.2
1925	May 22, 1925	--	61
1926	May 1, 1926	--	34
1927	June 11, 1927	--	61
1928	May 23, 1928	--	39.5
1929	May 25, 1929	--	33.3
1930	May 25, 1930	--	14.1
1931	Dec. 1, 1930	--	h8.3
1932	Mar. 19, 1932	--	h9.0
1948	May 1948	--	85
1959	eMay 1959	a1.3	60
1960	June 3, 1960	.81	27
1961	June 2, 1961	.93	34
1962	Apr. 24, 1962	.49	12
1963	Apr. 15, 1963	.28	5
1964	June 8, 1964	1.73	98
1965	June 12, 1965	--	a20
1966	March 1966	-1.54	6
1967	June 1967	-1.34	9

a About.
d Maximum observed.
e Prior to installation of gage.
h Maximum daily.

226. Mill Creek near Niarada, Mont. (12-3743)

Location.--Lat 47°50', long 114°41', in NE¼ sec.20, T.24 N., R.24 W., Sanders County, at bridge on county road, 3½ miles northwest of Niarada.

Drainage area.--28.0 sq mi.

Records available.--June 1959 to

Gage.--Crest-stage gage installed June 18, 1959. Altitude of gage is 3,000 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	(k)	1.1	90
1960	May 13, 1960	1.00	74
1961	May 1, 1961	1.42	140
1962	Apr. 24, 1962	.97	70
1963	May 17, 1963	.78	45
1964	May 27, 1964	.91	52
1965	Apr. 15, 1965	1.43	175
1966	May 12, 1966	2.22	a250
1967	May 25, 1967	1.40	138
1968	May 22, 1968	.69	30
1969	May 30, 1969	1.14	125
1970	May 25, 1970	.97	76
1971	May 13, 1971	1.15	175

227. Sullivan Creek tributary near Niarada, Mont. (12-3747)

Location.--Lat 47°53', long 114°34', in N½ sec.33, T.25 N., R.23 W., Sanders County, at culvert on county road, 5 miles northeast of Niarada.

Drainage area.--

Records available.--June 1959 to May 1961 (discontinued)

Gage.--Crest-stage gage installed June 18, 1959.

Annual maximum data.--

Water year.	Date	Gage height (ft)	Discharge (cfs)
1960	March 1960	--	a1
1961	--	--	Unknown

a About.

k Peak flow occurred sometime during period May-June.

228. Garden Creek near Hot Springs, Mont. (12-3757)
(formerly published as South Fork Garden Creek near Hot Springs)

Location.--Lat 47°39', long 114°43', in SW¼ sec.20, T.22 N., R.24 W., Sanders County, at bridge on county road, 3 miles north of Hot Springs.

Drainage area.--3.29 sq mi.

Records available.--June 1959 to

Gage.--Crest-stage gage installed June 18, 1959. Altitude of gage is 3,300 ft (from topographic map).

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (cfs)
1959	(k)	--	a10
1960	April, 1960	--	a5
1961	May 27, 1961	0.86	29
1962	May 23, 1962	.48	14
1963	May 17, 1963	.73	24
1964	May 27, 1964	1.02	a45
1965	Apr. 29, 1965	--	a100
1966	Mar. 29, 1966	-.22	16
1967	May 23, 1967	.16	40
1968	May 1968	-.30	12
1969	May 30, 1969	.31	50
1970	June 16, 1970	.52	65
1971	June 3, 1971	.07	34

a About.
k Peak flow occurred sometime during period May-June.

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EXPLANATION

Gaging Stations

Numbers correspond with numerical listing in station data section
Parentheses around numbers mean the station is discontinued

●7

Crest-stage, in cooperation with Montana State Highway Commission

○81

Crest-stage, in cooperation with Montana State Water Resources Board

■5

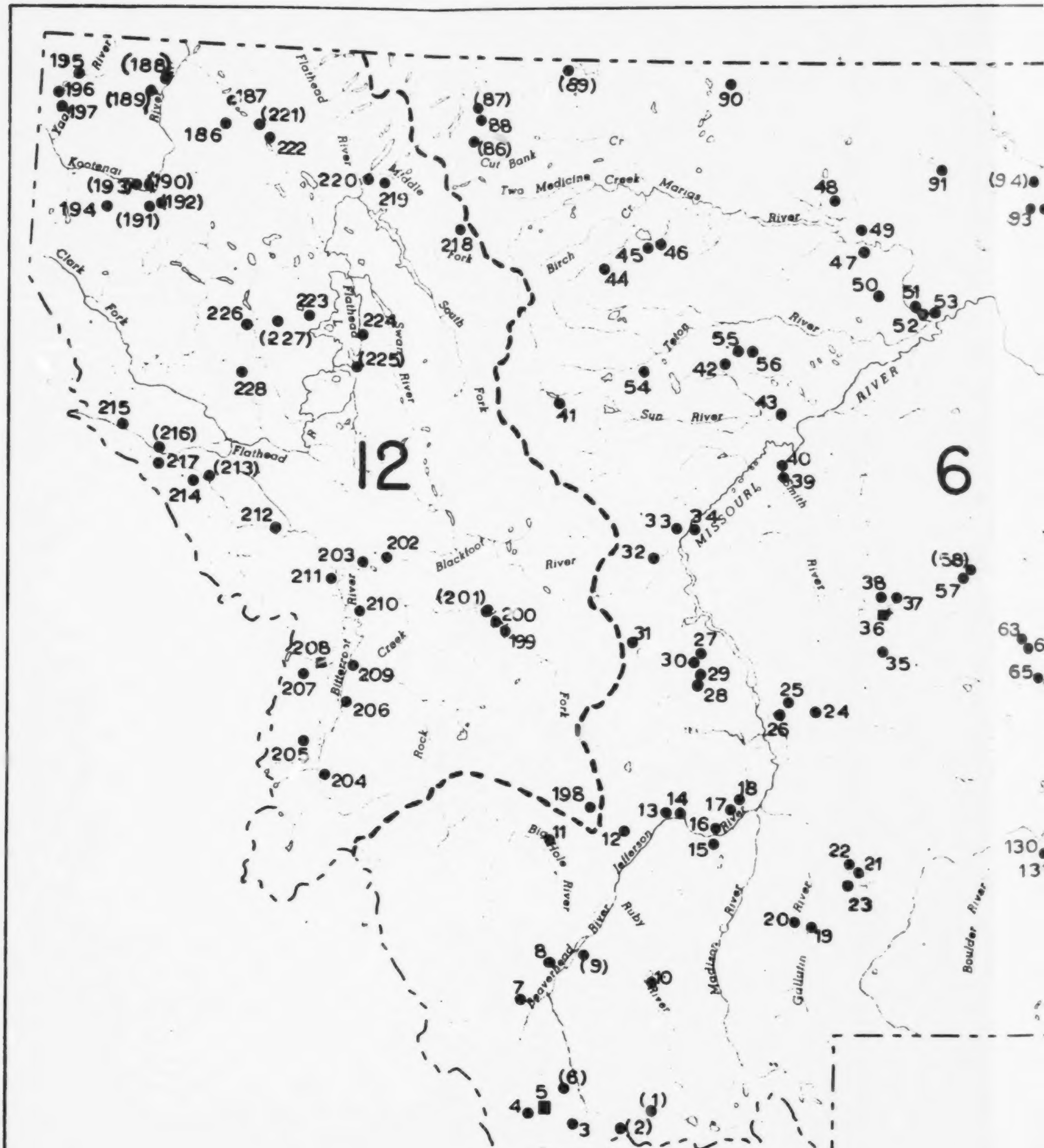
Recording, in cooperation with Montana State Highway Commission

— — — — — — — —

Drainage divide between principal river basins

6

Part number of geographical division of principal river basin
as used in U. S. Geological Survey Water-Supply Papers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Flathead River
Middle Fork
South Fork
Swan River
Flathead
Blackfoot River
Bitterroot River
Rock Creek
Big Hole River
Jefferson
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Beaverhead River
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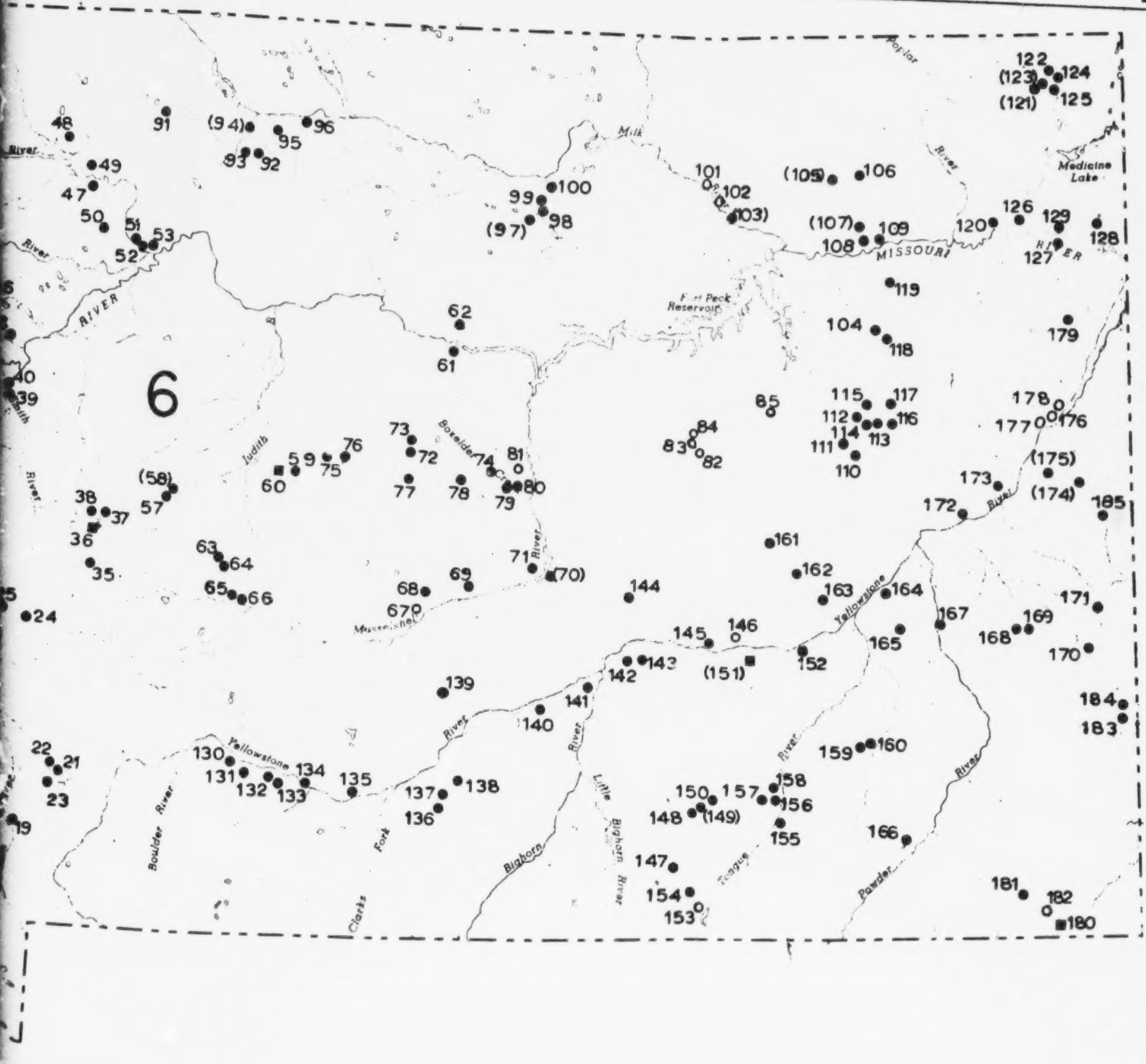
Figure 1.--Map showing location o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Medicine Lake
MISSOURI
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Fort Peck Reservoir
Boxelder Cr
River
Musselshell
Yellowstone
River
Yellowstone
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Bighorn
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p showing location of gaging stations.